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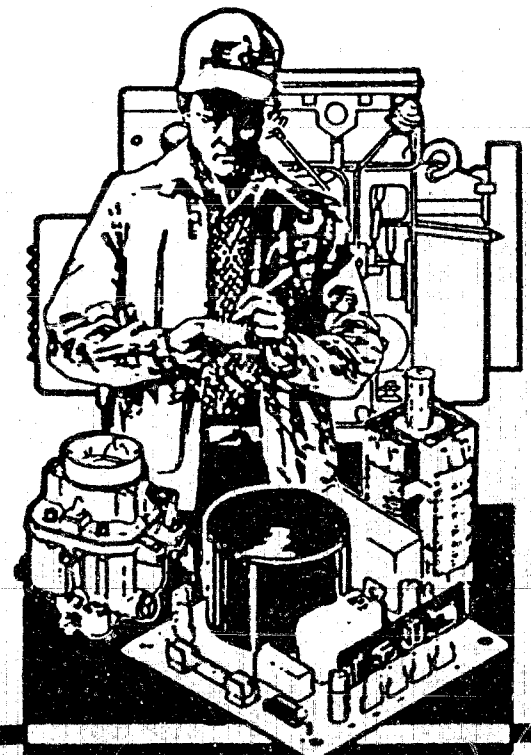
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# Onan

## Parts Manual

### CCK

### GenSet



**Onan Service Parts**

927-0222  
7-91 (SPEC R-V)  
Replaces 3-89 (SPEC R-V)

## Introduction

This catalog applies to the standard CCK Generating Sets as listed below. Parts are arranged in groups of related items. Each illustrated part is identified by a reference number corresponding to the same reference number in the parts list for that group. Parts illustrations are typical. Using the Model and Spec No. from the nameplate, select the Parts Key No. (1, 2, etc. in the last column) that applies to your set Model and Spec No. This Parts Key No. represents parts that differ between models. Unless otherwise mentioned in the description, parts are interchangeable between models. Right and left sides are determined by facing the blower end (front) of the engine.

### Generator Set Data Table

MODEL AND SPEC #	TYPE	ELECTRICAL DATA					PARTS KEY NO.
		WATTS	VOLTS	HERTZ	WIRE	PHASE	
3.5CCK-53BP/ 3.5CCK-53CP/	Portable Portable	3500 3500	110/220 120/240	50 50	4 4†	1 1	1 1
3.5CCK-53BR/ 3.5CCK-53CR/	Remote Remote	3500 3500	110/220 120/240	50 50	4 4†	1 1	2 2
4.2CCK-53BR/ 4.2CCK-53CR/	Remote Remote	4250 4250	110/220 120/240	50 50	4 4†	1 1	3 3
4.0CCK-55DR/ 4.2CCK-55DR/	Remote Remote	4250 4250	120/240 120/240	50 50	4† 4	3 3	3 3
4.0CCK-57R/ 4.2CCK-57R/	Remote Remote	4250 4250	220/380 220/380	50 50	4 4	3 3	3 3
4.2CCK-53CP/ 4.0CCK-3CP/	Portable Portable	4250 4000	120/240 120/240	50 60	4† 4†	1 1	4 4
4.0CCK-57P/ 4.0CCK-3CR/	Portable Remote	4250 4000	220/380 120/240	50 60	4 4†	3 1	4 5
4.0CCK-4R/ 5.0CCK-3CP/(AJ)	Remote Portable	4000 5000	120/208 120/240	60 60	4 4†	3 1	5 6
5.0CCK-3R/(FJ) 5.0CCK-3CR/(FJ)	Remote Remote	5000 5000	120/240 120/240	60 60	4† 4†	1 1	7 7
5.0CCK-4R/(FC) 5.0CCK-4XR/(FG) 5.0CCK-5DR/(FD)	Remote Remote Remote	5000 5000 5000	120/208 277/480 120/240	60 60 60	4 4 4	3 3 3	7 7 7
Contractor models. Refer to Special Parts Section in addition to those in Parts Catalog.							
4.2CCK-53CE/ 4.0CCK-3CE/ 5.0CCK-3CE/	Electric Electric Electric	4250 4000 5000	120/240 120/240 120/240	50 60 60	4† 4† 4†	1 1 1	- - -

§ - The Specification Letter advances (A to B, B to C, etc.) with manufacturing changes.

† - Set is reconnectable for 120 volt 2 wire; 240 volt 2 wire or 120/240 volt 3 wire service.

Example of New Model Code Letters: 5.0CCK-AJ/10388P

First Letter (A) Stands for - Starting/Portability Codes (See Page 2 for  
Second Letter (J) Stands for - Voltage/Frequency Codes Code Charts)

**NOTE:** Hertz is a unit of frequency equal to one cycle per second.

### NOTICE!

Items referenced as **OPTIONAL** indicate part is factory installed and may not be applicable to all models. For field conversions additional part are usually required.

# CODE CHARTS FOR NEW MODEL CODE LETTERS

OLD

5.0CCK-1R/10388P

NEW

5.0CCK-AJ/10388P

	STARTING/PORTABILITY CODES	REPLACES
A	Portable - Manual Start - Non Remote	P
B	Portable - Electric Start - Non Remote	
C	Portable - Electric Start - Remote	
D	Stationary - Manual Start - Non Remote	M
E	Stationary - Electric Start - Non Remote	E
F	Stationary - Electric Start - Remote	R

VOLTAGE/FREQUENCY CODES			
60HZ		50HZ	
A	120 Volt, 1 Phase, 2 Wire	M	110/220 Volt, 1 Phase, 4W
B	120/240 Volt, 1 Phase, 3W	N	120/240 Volt, 1 Phase, 3W
C	120/208 Volt, 3 Phase, 4W	P	120/240 Volt, 1 Phase, 4W
D	120/240 Volt, 3 Phase, 4W	S	120/240 Volt, 3 Phase, 4W
E	240/480 Volt, 3 Phase, 4W	T	220/380 Volt, 3 Phase, 4W
F	220/380 Volt, 3 Phase, 4W	U	240 Volt, 1 Phase, 2W
G	277/480 Volt, 3 Phase, 4W	V	Not Assigned
H	347/600 Volt, 3 Phase, 4W	W	Not Assigned
J	120/240 Volt, 1 Phase, 4W	X	Not Assigned
K	416/440, 480 Volt, 3 Phase, 4W	Y	380, 400, 416 Volt, 3 Phase, 4W
L	Reconnectible	Z	Reconnectible
R - Special - See Prod. Order			

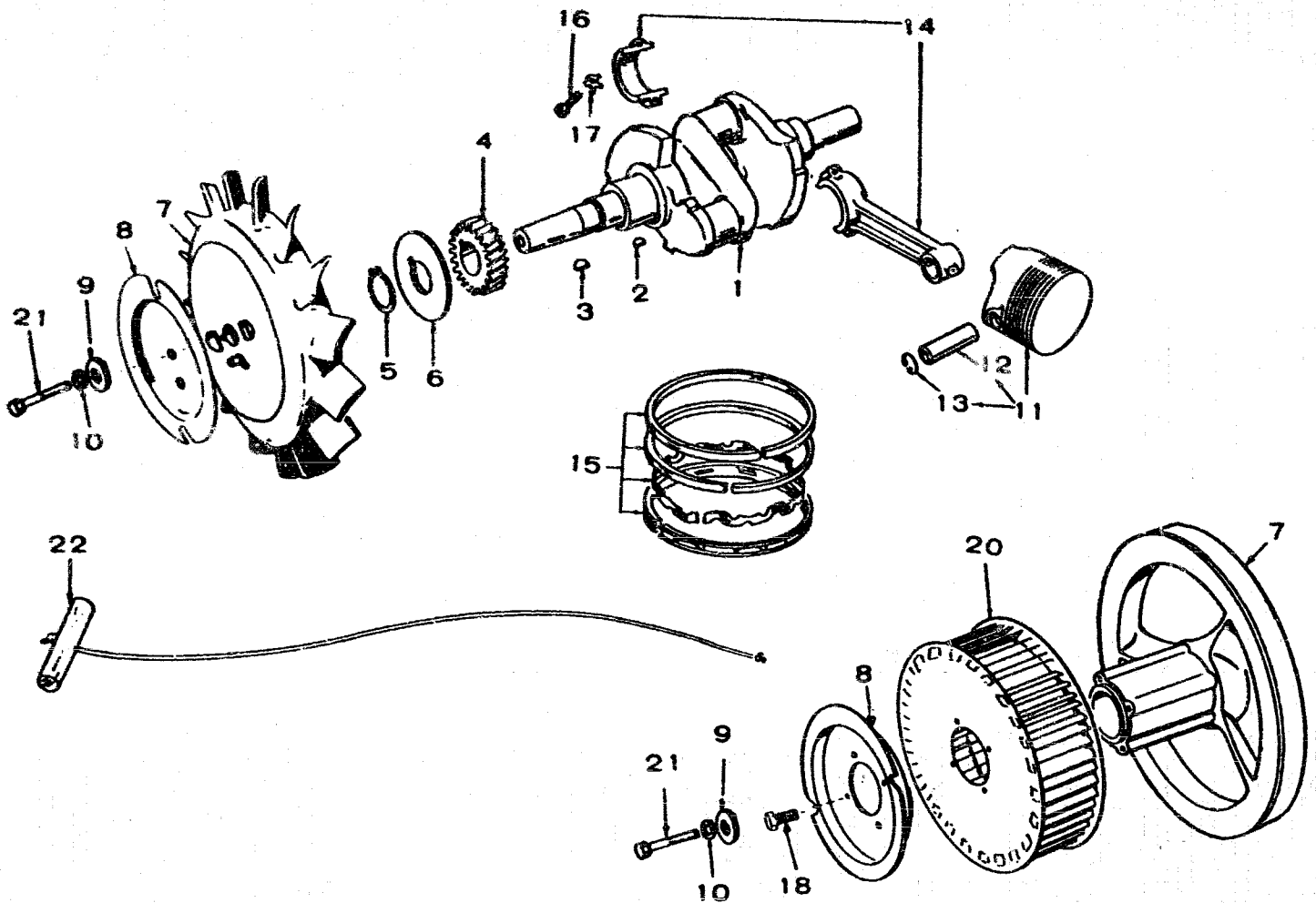
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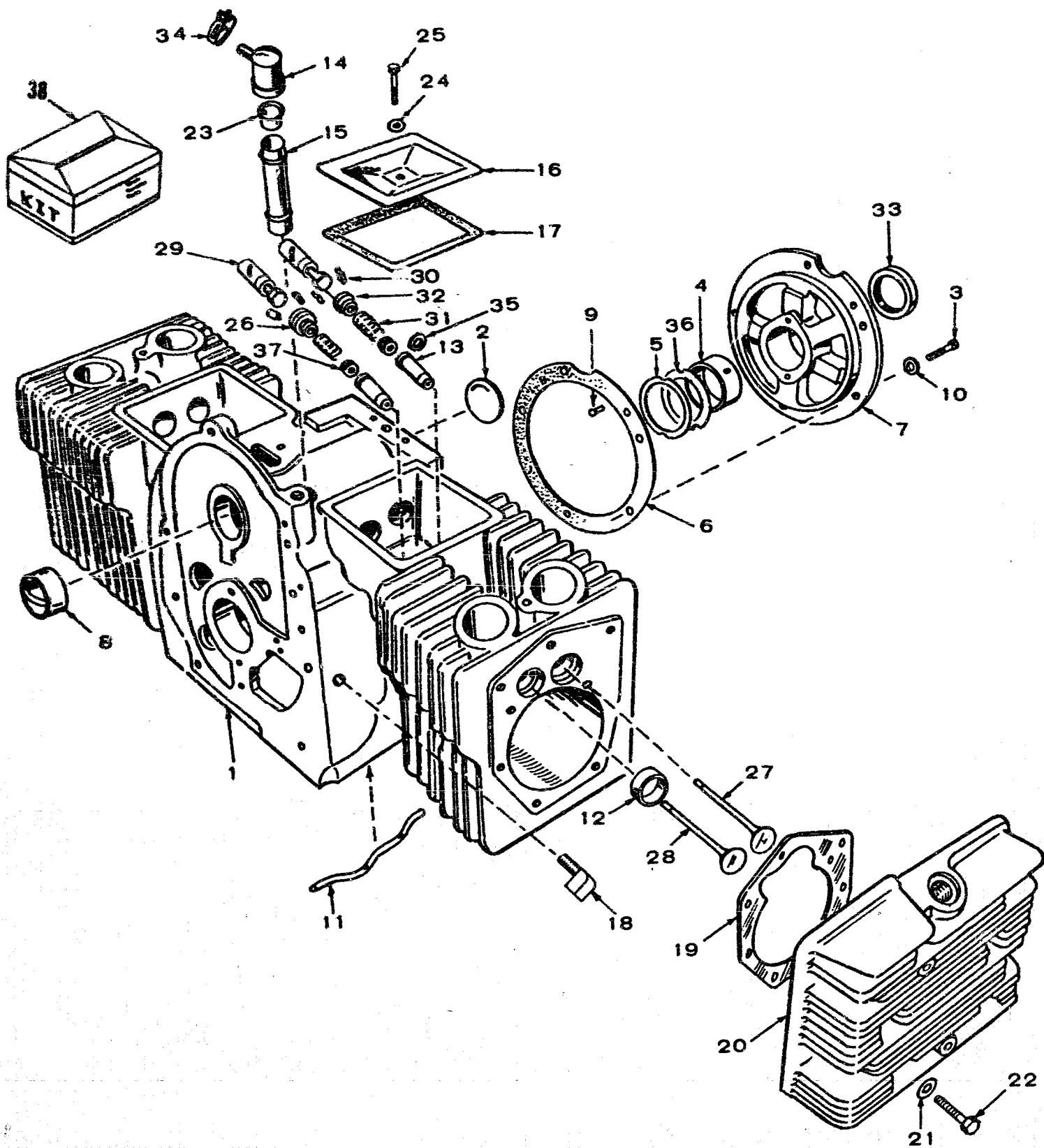
# Crankshaft, Flywheel, Piston and Rod



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Crankshaft (Includes Parts Marked *)	11			Piston and Pin (Includes Retaining Rings)
	104-1323	1	Through Spec R		112-0136	2	Standard
	104-1346	1	Begin Spec V		112-0136-10	2	.010" Oversize
2	515-0001	1	*Key, Crankshaft Gear Mounting		112-0136-20	2	.020" Oversize
3	515-0227	1	*Key, Flywheel Mounting		112-0136-30	2	.030" Oversize
4	104-0032	1	Gear, Crankshaft		112-0136-40	2	.040" Oversize
5	518-0014	1	Lock, Crankshaft Gear Washer	12	112-0069	2	Pin, Piston
6	104-0043	1	Washer, Crankshaft Gear Retainer	13	112-0003	4	Ring, Piston Pin Retainer
7			Flywheel	14			Rod, Connecting
	160-0937	1	Key 1,4,6 - With Magnets		114-0098	2	Standard
	134-0591	1	Key 2,3,5,7 - Pressure Cooled Sets		114-0098-10	2	.010" Undersize
	104-0499	1	Key 2,3,5,7 - Vacu-Flo Cooled Sets		114-0098-20	2	.020" Undersize
8			Sheave, Rope		114-0098-30	2	.030" Undersize
	192-0308	1	Key 1,4,6	15			Ring Set, Piston
	193-0308	1	Key 2,3,5,7 - Pressure Cooled Sets (Optional)		113-0152	2	Standard
	192-0272	1	Key 2,3,5,7 - Vacu-Flo Cooled Sets (Optional)		113-0152-10	2	.010" Oversize
9			Washer, Flat - Flywheel Mounting - Key 2,3,5,7		113-0152-20	2	.020" Oversize
	526-0128	1	Pressure Cooled Sets (15/32 ID x 1-1/2 OD x 1/4" Thk)		113-0152-30	2	.030" Oversize
	526-0017	1	Vacu-Flo Cooled Sets (15/32 ID x 1-1/4 OD x 1/4" Thk)		113-0152-40	2	.040" Oversize
10	850-0055	1	Washer, Lock - Spring (7/16")	16	800-0548	4	Screw, Cap - Hex Head (Speci
				17	114-0059	4	Washer, Lock - Connecting Ro
				18	821-0010	4	Screw, Cap - Hex Washer Head (1/4-20 x 1/2")
				20	134-0565	1	Wheel, Blower - Key 2,3,5,7
				21	104-0170	1	Screw, Cap - Hex Head (Special)
				22	192-0083	1	Rope, Starting - Optional

\* - Parts Included in Crankshaft Kit.

# Cylinder Block



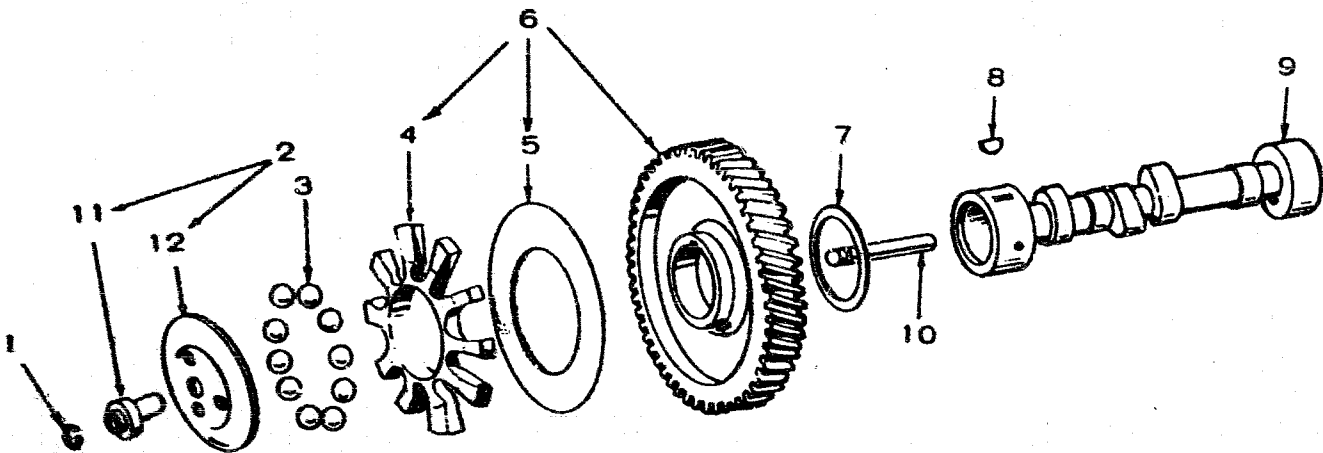


## Cylinder Block

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Block Assembly, Cylinder (Includes Parts Marked *)	20			Head, Cylinder
	110-0915	1	Standard		110-0890	1	Right Side #2 Cylinder
	110-1860	1	With Spin-on Oil Filter		110-0884	1	Gasoline
2	517-0048	1	*Plug, Expansion				Gas and Gas-Gasoline (Hi-Compression)
3	800-0512	5	*Screw, Cap - Hex Head (5/16-18 x 1")		110-0891	1	Left Side #1 Cylinder
4			Bearing, Crankshaft (Includes Thrust Washer and Stop Pins)		110-0883	1	Gasoline
	101-0450	2	* Standard	21	526-0122	18	Gas and Gas-Gasoline (Hi-Compression)
	101-0450-02	2	.002" Undersize				Washer, Flat (11/32 ID x 23/32 OD x 10 Ga. Thk)
	101-0450-10	2	.010" Undersize	22			Screw, Cap - Hex Head (Spe
	101-0450-20	2	.020" Undersize		110-0879	8	Cylinder Head
	101-0450-30	2	.030" Undersize		114-0022	10	Cylinder Head
5	104-0575	2	*Washer, Crankshaft Bearing Thrust	23	123-0104	1	Valve, Check - Breather
6	101-0115	1	*Gasket Kit, Bearing Plate	24	526-0063	2	Washer, Flat (Copper) (17/ ID x 7/16 OD x 1/32" Thk)
7	101-0316	1	*Plate, Rear Bearing (Excludes Bearing)	25	800-0012	2	Screw, Cap - Hex Head (1/4-20 x 2-1/4")
8	101-0367	2	*Bearing, Camshaft Front and Rear (Precision) Note: Units with Hi-Lift Cam use 1 - 104-0405 Bearing	26	110-0904	2	Rotacap Exhaust Valve
9	516-0072	4	*Pin, Main Bearing Stop	27	110-0881	2	Valve, Intake
10	850-0045	5	Washer, Lock - Spring (5/16")	28	110-0880	2	Valve, Exhaust
11	120-0386	1	*Tube, Crankcase Oil	29			Tappet, Valve
12			*Insert, Exhaust Valve Seat		115-0006	4	Standard
	110-0872	2	Standard		115-0006-01	4	.001" Oversize
	110-0872-02	2	.002" Oversize		115-0006-02	4	.002" Oversize
	110-0872-05	2	.005" Oversize		115-0006-05	4	.005" Oversize
	110-0872-10	2	.010" Oversize	30	110-0639	8	Lock, Valve and Spring Ret
	110-0872-25	2	.025" Oversize	31	110-0539	4	Spring, Valve
13			Guide, Valve	32			Washer, Valve Spring Retai (Special)
	110-0902	4	*Used With No Seals on Valve Stems		110-0893	2	Gasoline - Intake
	110-1827	4	To Stop Oil Seepage - Used Only When Valve Stems Have Seals		110-0893	4	Gas and Gas-Gasoline - Intake and Exhaust
14	123-0293	1	Cap, Breather Tube	33	509-0041	1	Seal, Oil - Included in Ki 168-0103
15	123-0129	1	Tube, Breather (Includes Steel Baffles)	34	503-0769	1	Clamp, Breather Line
16	110-0666	2	Cover, Valve Compartment	35	110-3136	2	*Gasket, Intake Valve Guide
17	110-0667	2	Gasket, Valve Cover	36	104-0776	1	Shim, Rear Bearing Plate (.005")
18	502-0020	1	Elbow, Street - On Line	37	509-0090	2	Seal, Oil - Intake Valve
19	110-0892	2	Gasket, Cylinder Head	38	123-1600	1	Kit, Breather King (Option (Includes Breather Hose Insulation, Breather Insu lator, Governor Control R Cable Ties and Instructio Sheet)

\* - Parts Included in Cylinder Block Assembly.

## Camshaft

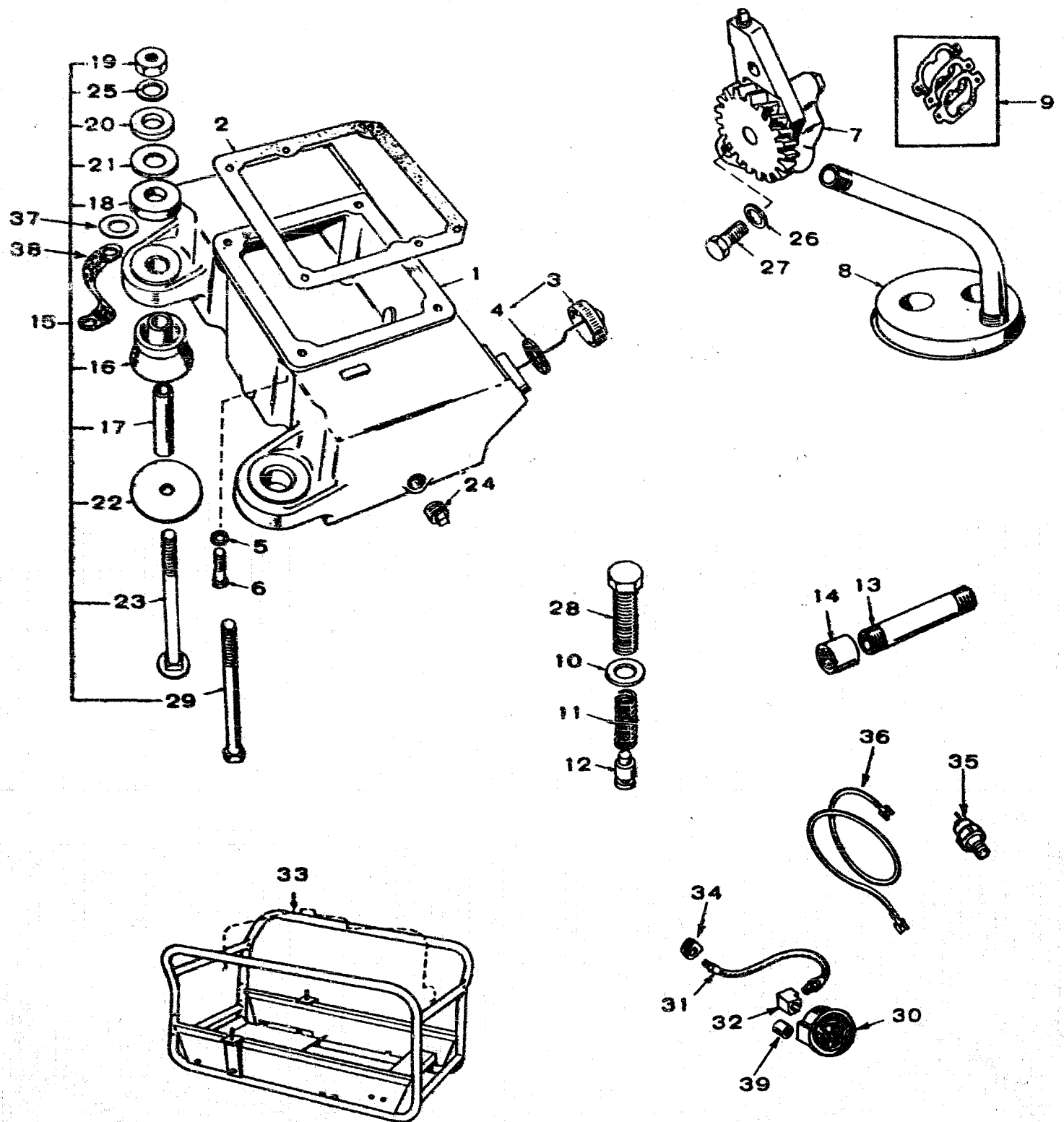


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-0078	1	Ring, Camshaft Center Pin
2	150-1695	1	Kit, Governor Cup (Includes Parts Marked *)
3	510-0015	10	Ball, Fly - Governor
4	150-1257	1	Spacer, Governor Fly Ball
5	150-0077	1	Plate, Governor Fly Ball
6	105-0332	1	Gear, Camshaft (Includes Flyball Spacer and Plate)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	105-0541	1	Washer, Camshaft Gear Thrust
8	515-0001	1	Key, Camshaft Gear Mounting
9	105-0140	1	Camshaft (Includes Center Pin)
10	150-0075	1	Pin, Camshaft Center
11	150-1519	1	*Hub, Governor Cup
12	150-1520	1	*Cup, Governor

\* - Parts Included in 150-1695 Governor Cup Kit.

# Oil System and Mounting Hardware



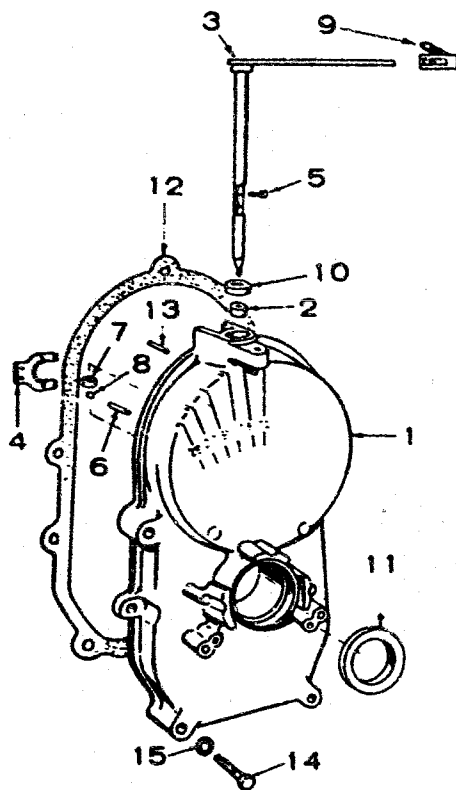
## Oil System and Mounting Hardware

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Base, Oil	23	816-0212	4	*Bolt, Carriage (7/16-14 x 5-1/2") - Key 2,3,5,7
	102-0686	1	Key 1,4,6				Plug, Pipe - Oil Drain
	102-0579	1	Key 2,3,5,7	24		1	1/2"
	102-0859	1	Key 2,3,5,7 - Sets with Oil Base Heater or Dual Drain		505-0056	1	1/4" - Optional
2	102-0158	1	Gasket, Oil Base		505-0054	1	3/8" - Optional
3	123-0489	1	Cap and Indicator, Oil Fill	25	850-0055	4	*Washer, Lock - Spring (7/16-14 x 3-3/4") - Key 1,4,6 and Housed Sets
4	123-0191	1	Gasket, Oil Fill Cap	26	850-0040	2	Washer, Lock - Spring (1/4-20 x 1")
5	850-0050	4	Washer, Lock - Spring (3/8")	27	800-0007	2	Screw, Cap - Hex Head (1/4-20 x 1")
6	102-0455	4	Screw, Cap - Hex Head (Special)	28	801-0048	1	Screw, Cap - Hex Head (3/8-24 x 3/4")
7	120-0491	1	Pump, Oil - Complete (Internal Parts Not Sold Separately)	29	800-0082	4	*Screw, Cap - Hex Head (7/16-14 x 3-3/4") - Key 1,4,6 and Housed Sets
8	120-0400	1	Cup, Oil Pump Intake (Includes Cup, Pipe and Screw)	30	193-0005	1	†Gauge, Oil Pressure
9	120-0161	1	Gasket Kit, Oil Pump	31		1	†Line, Oil - Flexible
10	526-0066	1	Washer, Flat (25/64" ID x 9/16" OD x 1/16" Thk)		501-0004	1	Keys 1,4,5,6 (12")
11	120-0140	1	Spring, Bypass Valve		501-0003	1	Sets with Oil Filter (9")
12	120-0398	1	Valve, Bypass	32	502-0005	1	Elbow, Inverted Female (90°)
13			Nipple, Oil Drain	33		1	Frame, Carrying
	505-0081	1	Key 1,4,6 (1/2" x 3-1/2")		403-1015	1	Keys 1,4,6 (Also Contractor Model)
	505-0210	1	Housed Sets (1/2" x 2")		403-1328	1	Keys 2,3,5,7 - Spec R th
14	505-0014	1	Coupling, Oil Drain - Key 1,4,6 and Housed Sets		403-1661	1	Keys 2,3,5,7 - Begin Spec V
15			Mounting Package (Includes Parts Marked *)		403-1895	1	Key 1 - Begin Spec V
	402-0407	1	Key 1,4,6	34	508-0095	1	Grommet, Rubber - Oil Line (Sets with Oil Filter)
	402-0408	1	Key 2,3,5,7	35	309-0319	1	Switch, Low Oil Pressure - Begin Spec V - Keys 2,3,5
	402-0407	1	Housed Sets	36	336-3377	1	Lead, Low Oil Pressure Switch - Begin Spec V - Keys 2,3,5
16	402-0283	4	*Cushion, Vibration	37	856-0012	8	Washer, Lock - EIT (7/16")
17	402-0290	4	*Bushing, Mounting	38	337-0091	4	Housed Sets - Begin Spec V
18	402-0282	4	*Snubber, Shock Mounting	39	502-0017	1	Strap, Bond - Housed Sets
19	862-0004	4	*Nut, Hex (7/16-14)				Begin Spec V
20	526-0014	4	*Washer, Flat (24/64" ID x 1-1/2" OD x 1/8" Thk)				Connector, Inverted - Female (Sets with Oil Filter and Contractor's Model)
21	526-0198	8	*Washer, Flat (5/8" ID x 1-1/2" OD x 1/16" Thk)				
22	526-0195	4	*Washer, Flat (29/64" ID x 3-1/4" OD x 1/8" Thk)				
			Key 2,3,5,7				

\* - Parts Included in Mounting Package.

† - Not Used Spec V - Remote Sets.

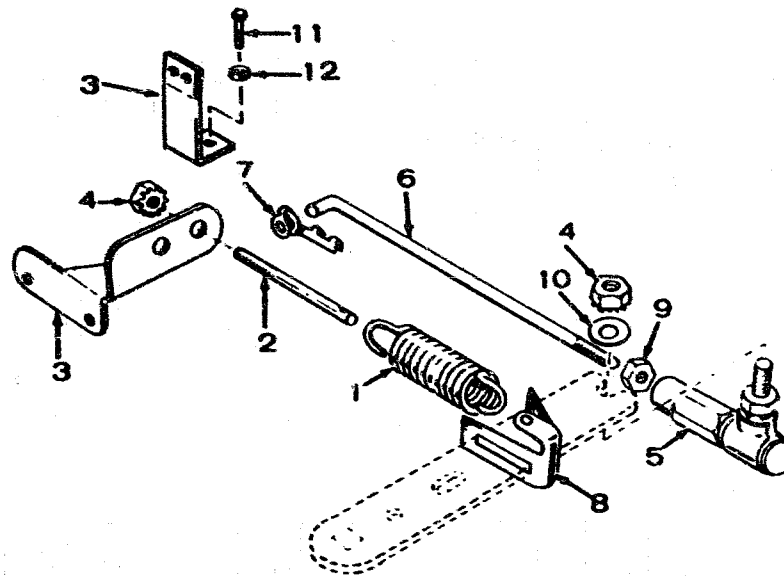
# Gearcase



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Gearcase Assembly (Includes Parts Marked *)	6	516-0130	1	*Pin, Roll - Governor Cup Stop (3/16" x 7/8")
	103-0357	1	Spec R	7	510-0008	1	*Bearing, Governor Shaft - Lower
	103-0641	1	Spec S, T	8	510-0014	1	*Bearing, Ball - Governor Shaft
	103-0667	1	Begin Spec U	9	150-0678	1	*Clip, Governor Sensitivity Adjustment
2	510-0013	1	*Bearing, Governor Shaft - Upper	10	509-0008	1	*Seal, Oil
3			*Shaft and Arm, Governor	11	509-0040	1	*Seal, Oil
	150-0377	1	Without Clip - Begin Spec S	12	103-0011	1	Gasket, Gearcase
	150-1286	1	Through Spec R (With Clip)	13	516-0141	2	Pin, Dowel (5/16 x 1-1/8")
	150-1542	1	Without Sensitivity Clip - Begin Spec U	14	800-0032	4	Screw, Cap - Hex Head 5/16-18 x 1-3/4"
	150-1564	1	With Sensitivity Clip - Begin Spec U		800-0034	1	5/16-18 x 2-1/4"
4	150-1187	1	*Yoke, Governor Shaft - Spec R, T, U, V	15	850-0045	5	Washer, Lock - Spring (5/16")
5	815-0046	2	*Screw, Machine - Pan Head (#8-32 x 3/8")				

\* - Parts Included in Gearcase Assembly.

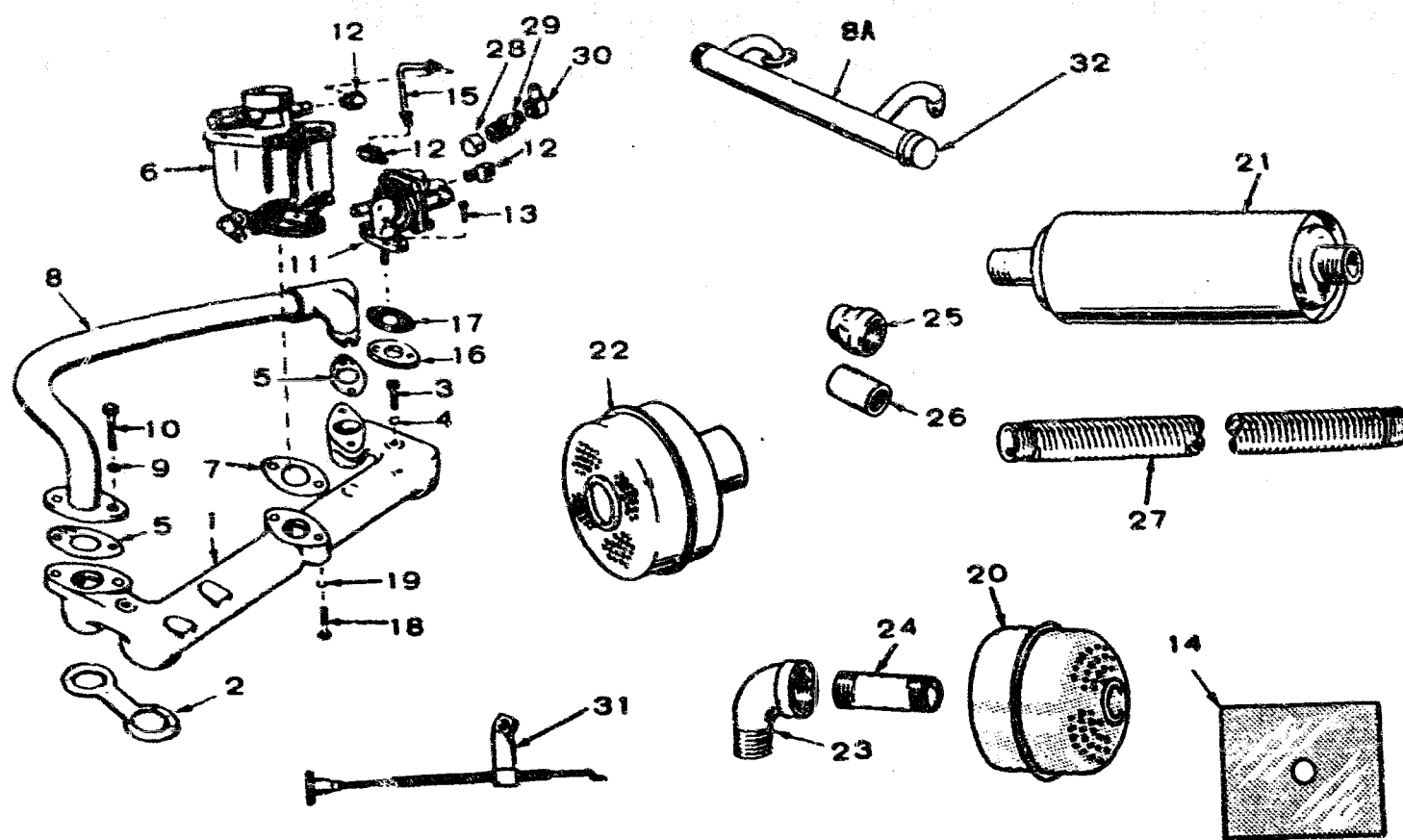
# Governor



FS-1143

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-0098	1	Spring, Governor	7	518-0006	1	Clip, Rod End
2	150-0096	1	Stud, Governor Speed Adjustment	8	150-0678	1	Clip, Governor Sensitivity
3			Bracket, Governor Stud	9	870-0053	1	Nut, Hex (#10-32)
	150-0040	1	Gasoline, Gas-Gasoline Sets	10	526-0196	1	Washer, Flat (7/32 ID x 7/16 OD x 1/8" Thk)
	150-1577	1	Gas Carburetor Sets	11	800-0004	2	Screw, Cap - Gas Carburetor Sets (1/4-20 x 5/8")
4	870-0131	2	Nut, Hex With ET (#10-32)	12	526-0063	2	Washer (Copper) - Gas Carburetor Sets - (17/64" x 7/16" OD x 1/32" Thk)
5	150-0639	1	Joint, Ball				
6	150-0629	1	Link, Governor Arm to Carburetor				

# Fuel System and Exhaust

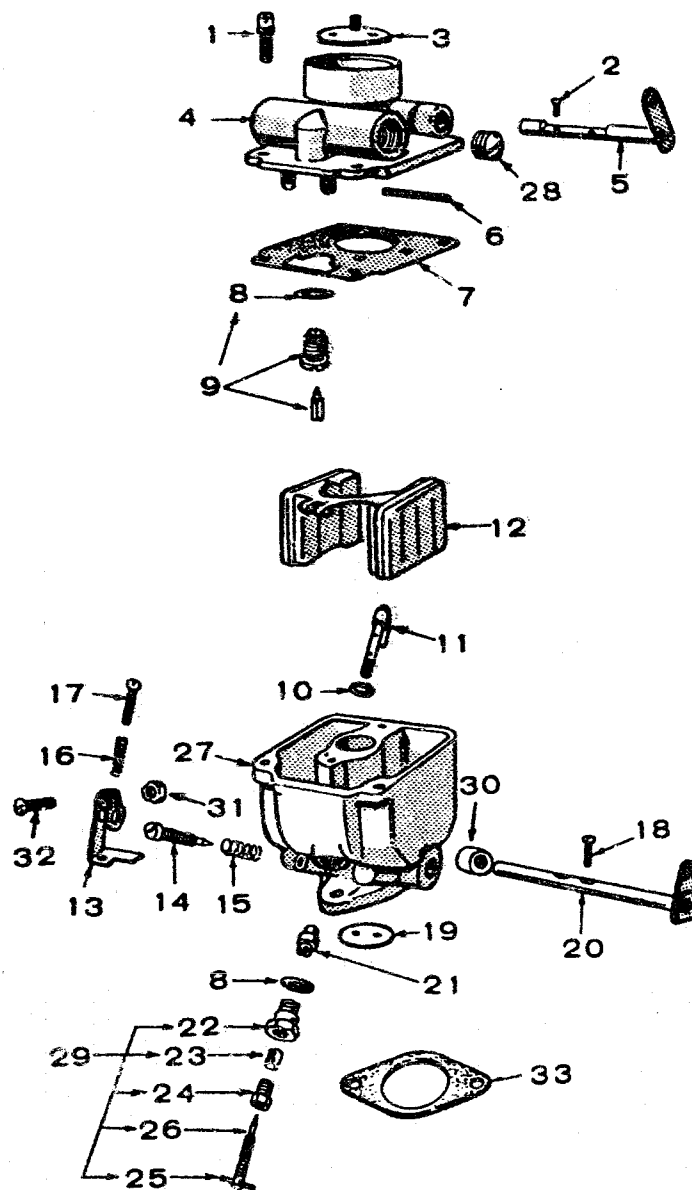


FS-1144

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-0383	1	Manifold, Intake	15	149-0611	1	Line, Fuel Pump to Carburetor
	154-0670	1	Sets without Vacuum Switch	16	149-0045	1	Spacer, Fuel Pump
		1	Sets with Vacuum Switch (Has 1/8" Pipe Plug Hole)	17	149-0003	2	Gasket, Fuel Pump Mounting
2	154-0013	2	Gasket, Intake Manifold	18	800-0009	2	Screw, Cap - Hex Head (1/4-20 x 1-1/2")
3	800-0054	2	Screw, Cap - Hex Head (3/8-16 x 2")	19	850-0040	2	Washer, Lock - Spring (1/4")
4	850-0050	2	Washer, Lock - Spring (3/8")	20	155-0484	1	Muffler, Exhaust - Key 1,4,6
5	154-0360	2	Gasket, Exhaust Manifold Mounting	21	155-0076	1	Muffler, Exhaust - Key 2,3,5,7
6			Carburetor, Complete - Gasoline (Includes Mounting Gasket)	22	155-0522	1	Muffler, Exhaust - Housed Sets
	142-0645	1	Manual Choke - Key 1,4,6 (For Components See 142-0363)	23	505-0333	1	Elbow, Street (1" x 45°) - Key 1,4,6
	142-0646	1	Electric Choke - Key 2,3,5 (For Components See 142-0364)	24	505-0004	1	Nipple, Close - Exhaust (1" x 1-1/2") - Key 1,4,6
7	141-0078	1	Gasket, Carburetor Mounting	25	505-0138	1	Coupling, Reducer - Exhaust (1-1/4" x 1") Vacu-Flo Cooled Sets
8	154-0526	1	Manifold, Exhaust - Pressure Cooled Sets	26	505-0030	1	Coupling, Pipe - Exhaust (1") - Key 2,3,5,7
8A	154-0377	1	Manifold, Exhaust - Vacu-Flo Cooled Sets	27	155-0491	1	Tubing, Flexible - Exhaust (36") - Key 2,3,5,7
9	850-0045	4	Washer, Lock - Spring (5/16")	28	149-1861	1	Valve, Fuel Safety - Begin Spec V (Kit) (Includes Parts Marked *)
10	800-0028	4	Screw, Cap - Hex Head (5/16-18 x 1")	29	502-0082	1	*Nipple, Hex - Pipe - Begin Spec V
11	149-1784	1	Pump, Fuel (Includes Mounting Gasket) (For Components See Separate Group)	30	502-0020	1	*Elbow, Street - Pipe (90°) - Begin Spec V
2	502-0002	3	Elbow, Street - (1) Fuel Pump Inlet, (1) Fuel Pump Outlet, (1) Carburetor Inlet	31	149-0271	1	Primer Assembly, Fuel Pump (With Bracket) - Begin Spec V - Key 1,4
3	806-0009	2	Screw, Cap - Counterbore (Special)	32	505-0329	1	Cap, Pipe (1-1/4")
4	NFS	1	Plate, Exhaust Wall - Key 2,3,5,7				

\* - Parts Included in 149-1861 Fuel Valve Kit.

# Carburetor Parts - Gasoline





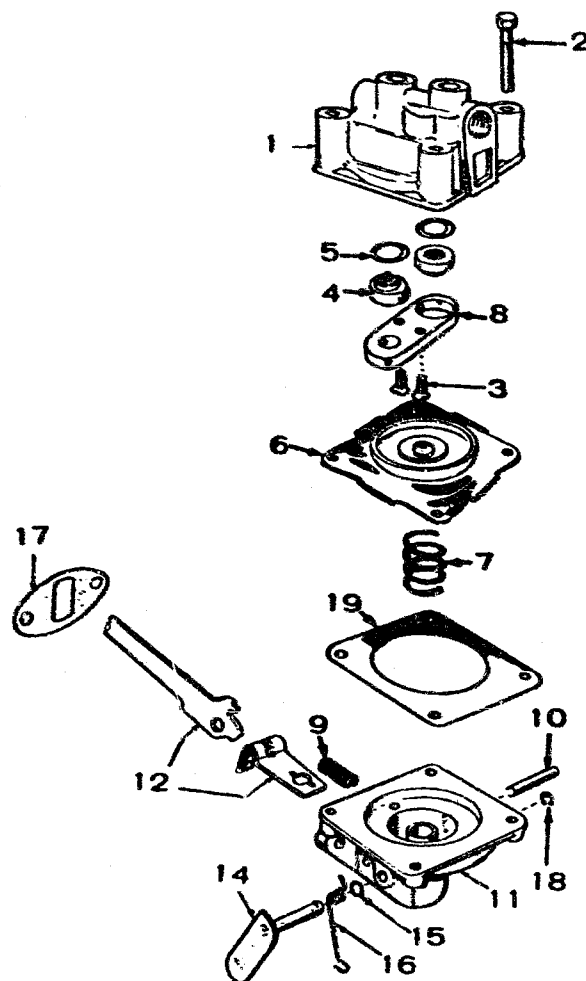
## Carburetor Parts - Gasoline

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Carburetor, Complete - Gasoline (Includes Mounting Gasket)	16	142-0035	1	Spring, Throttle Stop Adjusting Screw
	142-0645	1	Key 1,4,6	17	812-0063	1	Screw, Machine - Round Head (#6-32 x 1/2")
	142-0646	1	Key 2,3,5,7	18	815-0072	2	+Screw, Machine - Round Head (#4-40 x 1/4")
1			Screw, Machine - Fillister Head	19	142-0369	1	Fly, Throttle
	815-0103	1	#10-24 x 1/2"	20	142-0368	1	+Shaft, Throttle
	815-0109	2	#10-24 x 5/8"	21	142-0370	1	Nut and Jet, Nozzle
2	815-0091	2	+Screw, Machine - Fillister Head with IT (#4-40 x 3/16")	22	142-0046	1	Retainer, Main Adjusting Needle
3			Fly, Choke	23	142-0206	1	+Packing Main Adjusting Needle
	142-0055	1	Key 1,4,6	24	142-0045	1	Retainer, Main Adjusting Needle Packing
	142-0037	1	Key 2,3,5,7	25	516-0027	1	Pin, Main Adjusting Needle
4	142-0205	1	Sleeve, Choke (Cover)	26	142-0041	1	+Needle, Main Adjusting
5			Shaft, Choke	27		1	Body Assembly (Not Sold Separately)
	142-0217	1	Key 1,4,6	28	505-0008	1	Plug, Pipe - Slotted (1/8")
	142-0183	1	Key 2,3,5,7	29	142-0042	1	Needle Assembly, Main Adjusting
6	142-0039	1	+Shaft, Float	30	142-0343	2	Bushing, Throttle Shaft
7	142-0031	1	*Gasket, Fuel Bowl	31	870-0053	1	Nut, Hex (#10-32)
8	148-0017	2	*Gasket, (1) Float Valve Seat, (1) Main Adjusting Needle Retainer	32	813-0103	1	Screw, Machine - Round Head (#10-32 x 3/4")
9			Valve and Seat Assembly		142-0033	1	+Kit, Gasket (Includes Parts Marked *)
	142-0049	1	+ Sets Without Day Tank		142-0371	1	Kit, Repair (Includes Parts Marked +)
	142-0356	1	Sets With Day Tank	33	141-0078	1	*Gasket, Carburetor Mounting
10	142-0032	1	*Gasket, Nozzle				
11	142-0285	1	Nozzle Assembly				
12	142-0361	1	Float and Lever Assembly				
13	145-0008	1	Lever, Idle Stop				
14	142-0040	1	+Needle, Idle Adjusting				
15	142-0282	1	Spring, Idle Adjusting Needle				

\* - Parts Included in 142-0033 Gasket Kit.

+ - Parts Included in 142-0371 Repair Kit.

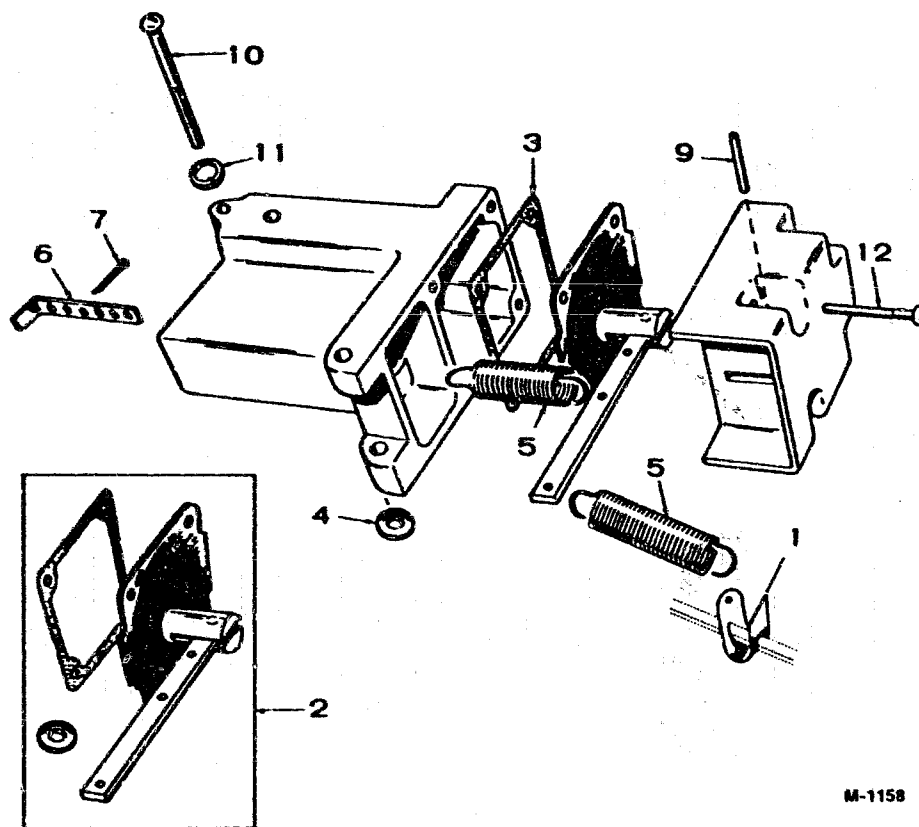
# Fuel Pump Parts



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	149-1784	1	Pump, Fuel - Complete (Includes Mounting Gasket)	7	149-0672	1	*Spring
	149-0526	1	Kit, Repair (Includes Parts Marked *)	8	149-0539	1	Retainer, Valve Cage
1		1	Body (Not Sold Separately)	9	149-0675	1	*Spring
2			Screw, Machine - Hex Head	10	516-0113	1	Pin, Rocker Arm
	815-0148	2	#8-32 x 7/8"	11		1	Body (Not Sold Separately)
	815-0150	2	#8-32 x 1"	12	149-0710	1	Link and Arm, Rocker
3	815-0147	2	Screw, Tapping - Oval Head (#6-32 x 5/8")	14	149-0551	1	Lever, Primer
4	149-0096	2	*Valve and Cage	15	509-0065	2	Seal, "O" Ring
5	149-0095	2	*Gasket, Valve	16	149-0404	1	Spring, Primer Lever
6	149-0582	1	*Diaphragm Assembly	17	149-0003	1	*Gasket, Pump Mounting
				18	518-0129	1	Ring, Retainer - Primer Lever
				19	149-0858	1	*Gasket, Diaphragm - Lower Side

\* - Included in 149-0526 Repair Parts Kit.

# Vacuum Speed Booster



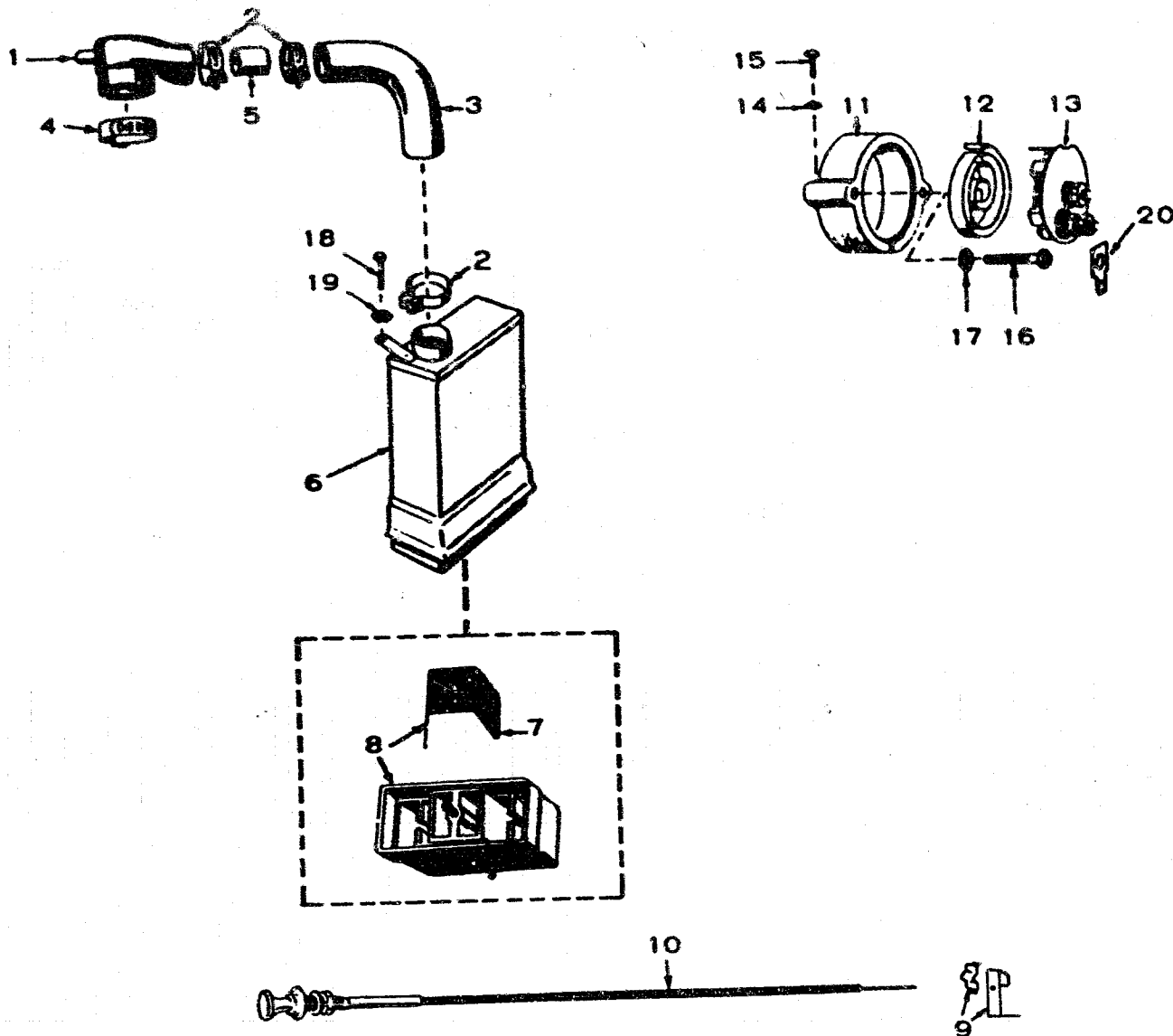
M-1158

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	150-0433	1	Kit, Vacuum Speed Booster Replacement (Includes Parts Marked *)	9	516-0085	1	*Pin, Roll - Diaphragm Lev Pivot (3/32 x 3/4")
1	150-0430	1	Bracket, Spring to Governor Link	10	813-0110	2	Screw, Machine - Round He (#10-32 x 2")
2	150-0434	1	*Kit, Diaphragm Replacement (Includes Parts Marked +)	11	853-0008	2	Washer, Lock - Spring (#1
3	150-0668	1	**Gasket, Diaphragm Plate	12	815-0148	4	*Screw, Machine - Round He (#8-32 x 7/8")
4	150-0425	1	**Gasket, Booster to Manifold				
5	150-0366	2	*Spring, Internal and External				
6	150-0376	1	*Bracket, Internal Spring Adjusting				
7	516-0039	1	*Pin, Cotter (3/32 x 5/8")				

\* - Parts Included in 150-0433 Vacuum Speed Boos Replacement Kit.

+ - Parts Included in 150-0434 Diaphragm Replace Kit.

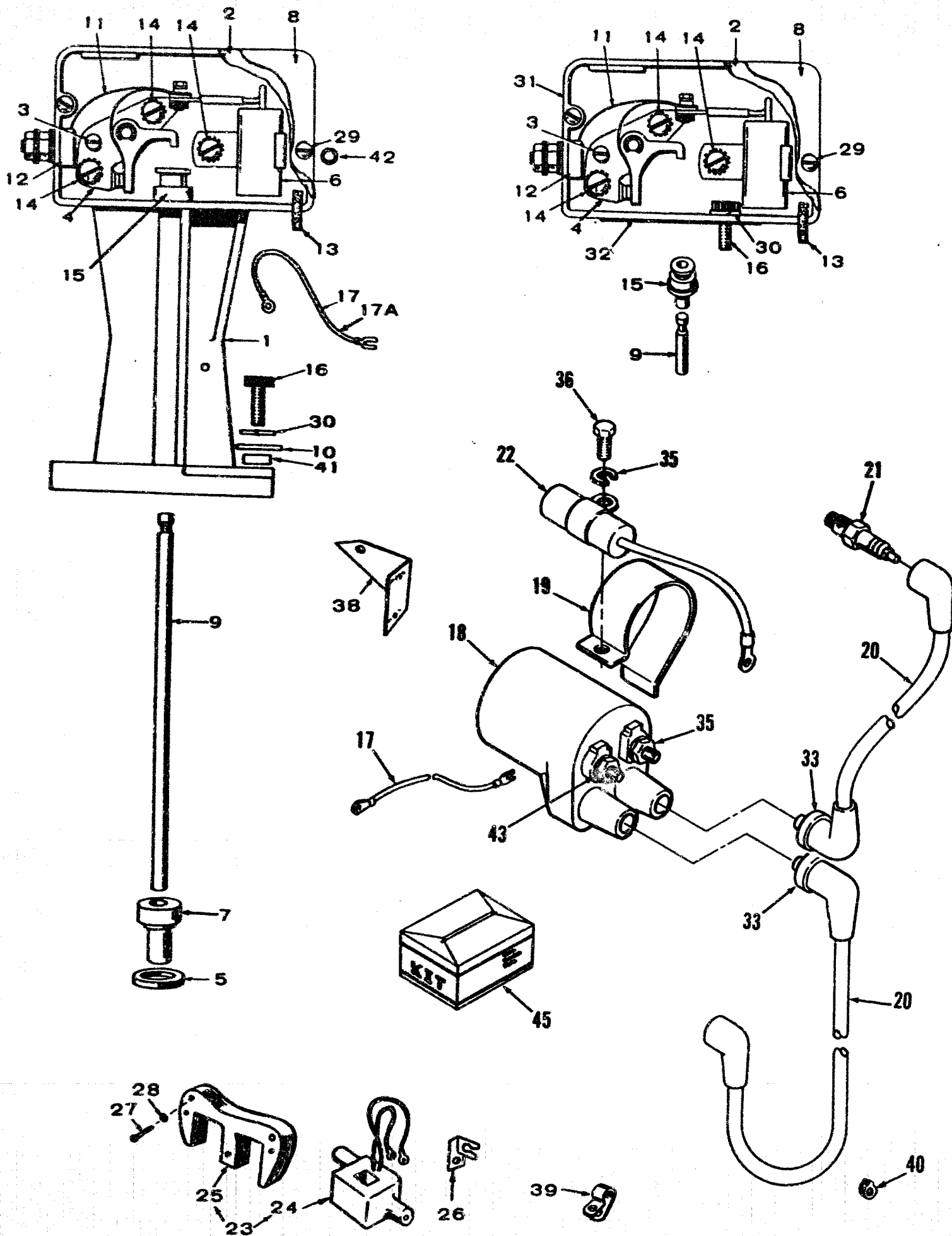
## Air Cleaner and Choke



M-1159

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	145-0080	1	Inlet, Carburetor Air	13	153-0114	1	Element and Cover, Choke - Key 2,3,5,7
2	503-0280	3	Clamp, Air Cleaner Hose	14	850-0030	1	Washer, Lock - Spring (#10) - Key 2,3,5,7
3	503-0480	1	Hose, Air Cleaner	15	815-0110	1	Screw, Machine - Fillister Head (#10-32 x 7/8") - Key 2,3,5,7
4	503-0107	1	Clamp, Air Inlet to Carburetor	16	815-0285	2	Screw, Machine - Round Head With ET (#10-32 x 5/16") - Key 2,3,5,7
5	140-0211	1	Sleeve, Air Cleaner	17	526-0062	2	Washer, Flat - Brass (Special)
6	140-0399	1	Cleaner, Air	18	821-0004	2	Screw, Cap - Hex Washer Head (#10-32 x 3/8")
7	140-0068	1	Screen, Air Cleaner	19	856-0003	2	Washer, Lock - EIT (#10)
8	140-0403	1	Cup Assembly, Air Cleaner (Includes Screen)	20	332-0527	1	Terminal, Wire
9	153-0263	1	Bracket and Clip, Choke - Key 1,4,6				
10	153-0097	1	Choke, Manual - Key 1,4,6				
11	153-0440	1	Housing, Electric Choke - Key 2,3,5,7				
12	153-0017	1	Choke, Bi-Metal - Key 2,3,5,7				

# Ignition System

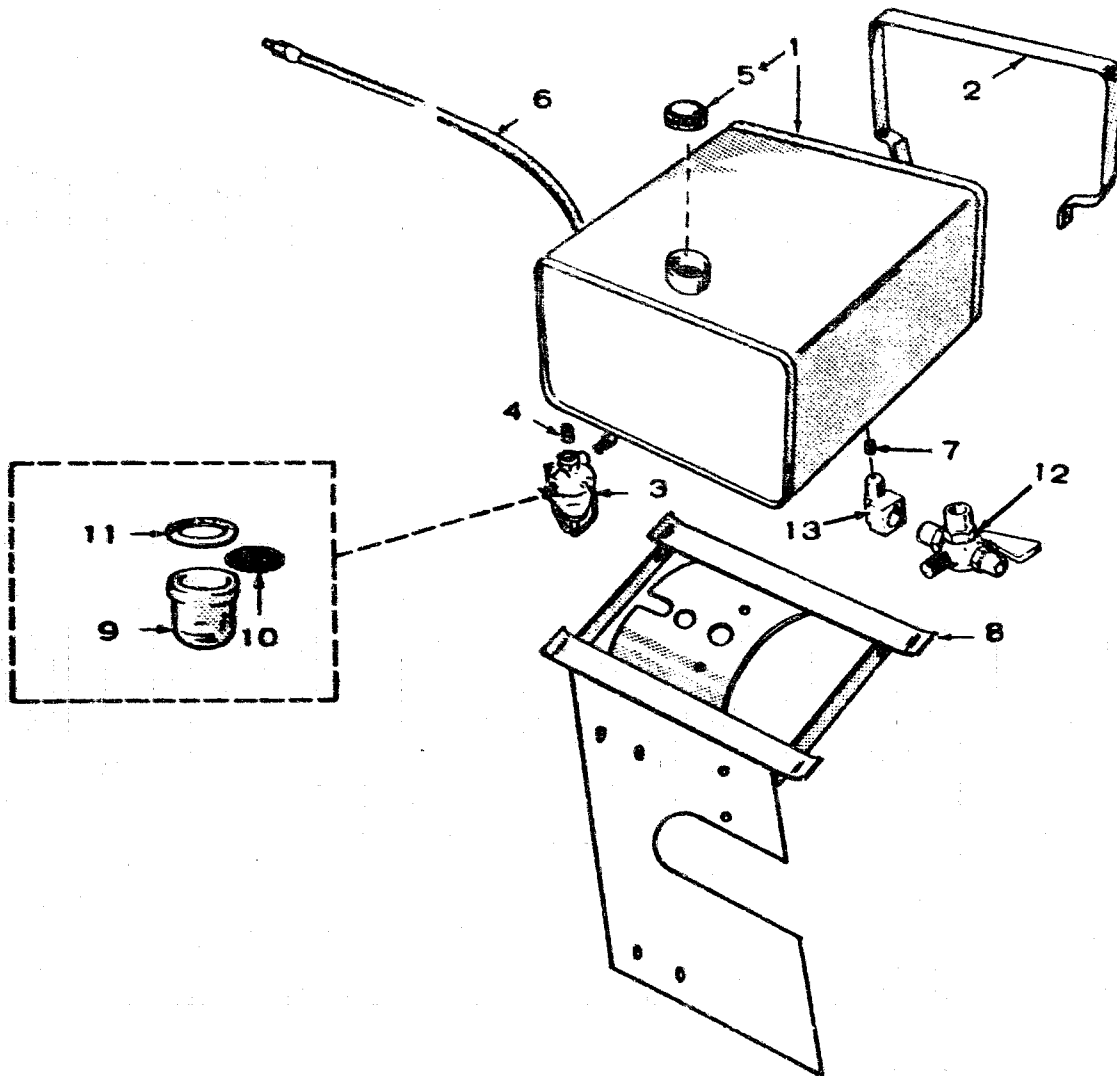


# Ignition System

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	160-1135	1	Box Assembly, Breaker - Gasoline Sets (Includes Mounting Gasket) (Includes Parts Marked *)	22			Condenser, Ignition Coil Suppression
2	160-0150	1	+*Gasket, Breaker Box Cover		312-0027	1	Keys 2,3,5,7
3	160-0075	1	+*Pivot, Breaker Arm		312-0017	1	Begin Spec V - Keys 2,3,5,7
4	160-0002	1	+*Point, Set Breaker	23	160-0752	1	Stator Assembly, Magneto (Includes Coil and Pole Shoe - Key 1,4,6
5	160-1040	1	*Gasket, Breaker Box Mounting - Gasoline Sets	24	160-0750	1	Coil, Magneto Stator - Key 1,4,6
6	312-0069	1	+*Condenser, Breaker Box (.3 Mfd.)	25	160-0749	1	Pole Shoe, Magneto Stator - Key 1,4,6
7	160-1041	1	*Bushing, Breaker Box - Gasoline Sets	26	167-0188	4	Clip, Magneto Lead - Key 1,4,
8	160-0930	1	+*Cover, Breaker Box	27	815-0259	2	Screw, Tapping - Hex Head (1/4-20 x 1-1/4") - Key 1,4,
9			Plunger, Breaker	28	526-0015	2	Washer, Flat (9/32" ID x 9/16" OD x 1/16" Thk) - Key 1,4,6
	160-0723	1	* Gasoline Sets	29	812-0077	2	Screw, Machine - Round Head (#8-32 x 3/8")
	160-0265	1	+ Gas and Gas-Gasoline Sets	30	850-0040	2	Washer, Lock - Spring - 1/4"
10	526-0214	2	Washer, Flat (17/64 ID x 1/2 OD x 1/16" Thk)	31			Box Assembly, Breaker - Gas and Gas-Gasoline Sets (Includes Parts Marked +)
11	160-0428	1	+*Strap, Point Set to Breaker Box Terminal Block		160-1171	1	Prior to Serial C770221140
12	160-0349	1	+*Block and Terminal Assembly, Breaker Box		160-0257	1	Begin Serial C770221140
13	160-0261	1	+*Wick, Breaker Box	32	160-0043	1	Gasket, Breaker Box Mounting
14			Screw, Machine - Round Head with ET		160-0558	2	Gas and Gas-Gasoline Sets
	815-0285	3	* Gasoline Sets (#8-32 x 5/16")	33	160-0554	2	Nipple, Spark Plug Cable
	518-0049	3	+ Gas and Gas-Gasoline Sets (#8-32 x 1/4")	35	166-0554	2	+*Nut, Hex - Metric (M5 x .8)
15			Guide, Plunger	36	815-0350	1	Screw, Tapping - Slotted Hex Head (#10-32 x 3/8")
	160-0931	1	* Gasoline Sets	37	856-0003	1	Washer, Lock - Spring (#10)
	160-0264	1	+ Gas and Gas-Gasoline Sets	38	166-0519	1	Bracket, Timing - Vacu-Flo Sets
16			Screw, Machine - Socket Head	39	332-1876	1	Clamp, AC Leads Holddown - Spec V
	802-0035	2	* Gasoline Sets (1/4-20 x 7/8")	40	508-0095	2	Grommet, Rubber (11/32" ID)
	802-0034	2	+ Gas and Gas-Gasoline Sets (1/4-20 x 3/4")	41	526-0184	2	Washer, Flat (17/64" ID x 5/8" OD x 10 Ga. Thk)
17	166-0702	1	Kit, Lead Replacement (Includes Parts Marked **)	42	856-0002	2	Washer, Lock - EIT (#8)
17A	336-4414	1	+*Lead Assembly, Coil to Breaker Box	43	850-2005	2	+*Washer, Lock - Ignition Coil (M5, Metric)
18			Coil, Ignition - Key 2,3,5,7 (Includes Qty 2 166-0554 Hex Nuts)	45	160-0836	1	Ignition Tune-Up Kit (Includes Parts Marked §)
	166-0772	1	Prior to Serial A760988660 (Includes Parts Marked †)				
	166-0772	1	Begin Serial A760998660				
19	166-0588	1	Clamp, Ignition Coil - Key 2,3,5,7				
20			Cable, Spark Plug				
	167-1602	2	Key 1,4,6				
	167-1602	1	Key 2,3,5,7 (Right Cyl)				
	167-1602	1	Key 2,3,5,7 (Left Cyl)				
21			Plug, Spark				
	167-0241	2	Non-Resistor				
	167-0237	2	Resistor				

- \* - Parts Included in 160-1135 Breaker Box Assembly
- + - Parts Included in 160-1171 and 160-0257 Breaker Box Assembly.
- \*\* - Parts Included in 166-0702 Lead Replacement Kit
- § - Parts Included in 160-0836 Ignition Tune-Up Kit

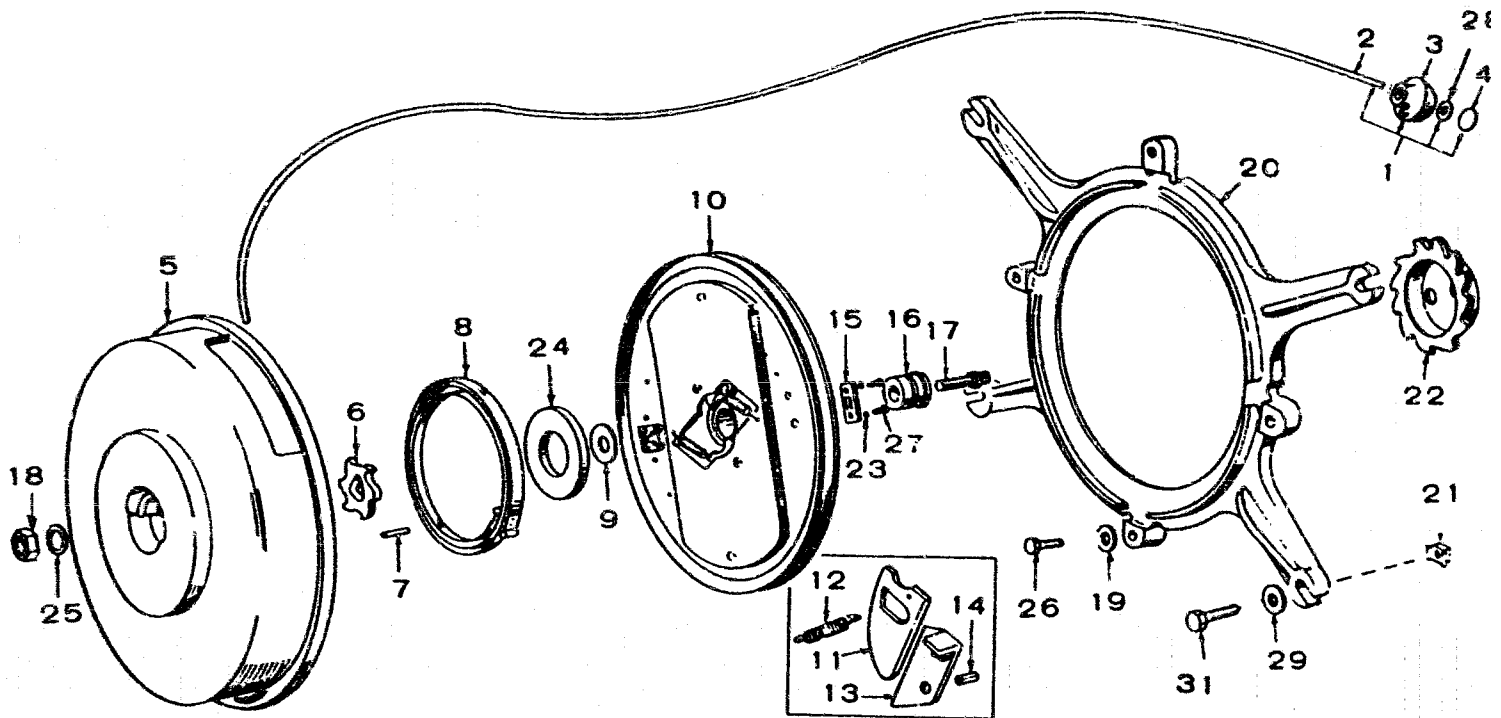
# Fuel Tank and Filter Key 1,4,6



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-0546	1	Tank, Fuel - 4 Gal. (Includes Cap)	8	301-3571	1	Bracket, Fuel Tank and Control Box Mounting
2	159-1010	2	Strap, Fuel Tank Mounting	9	149-0150	1	*Bowl, Fuel Filter
3	149-0079	1	Filter, Fuel (Includes Parts Marked *)	10	149-0202	1	*Screen, Fuel Filter
4	502-0046	1	Nipple, Pipe - Close (1/8")	11	149-0149	1	*Gasket, Fuel Filter Bowl
5	159-0020	1	Cap, Fuel Tank	12	504-0004	1	Valve, Shut-Off - Key 1
6	501-0015	1	Line, Fuel (16")	13	502-0020	1	Elbow, Street Pipe - Shut-Off Valve - Key 1
7	505-0274	3	Plug, Pipe - Fuel Tank Drain (1/8") Use with Shut-Off Valve 504-0004 - Key 1				

\* - Parts Included in 149-0079 Fuel Filter.

# Readi-Pull Starter Key 1,4,6

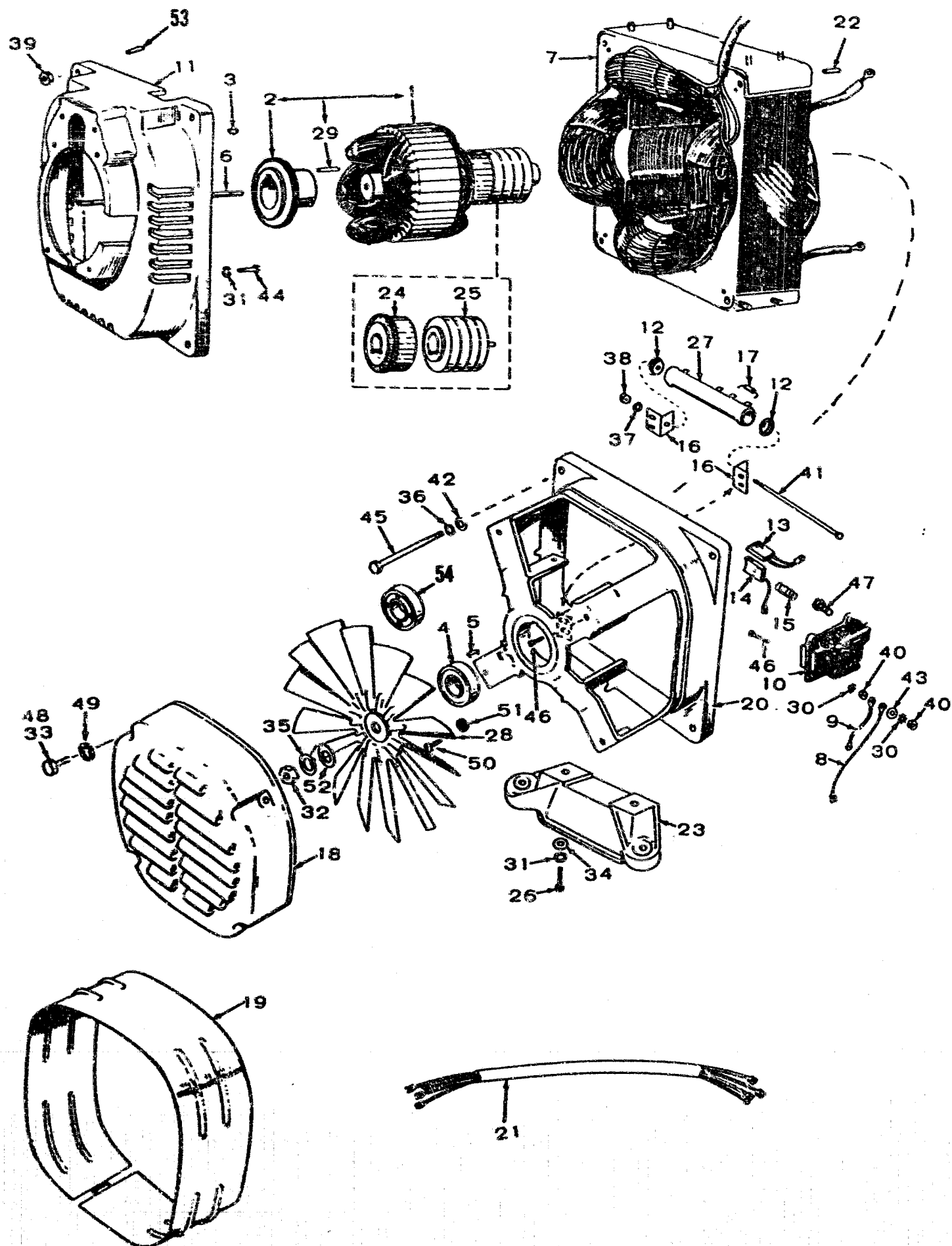


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	192-0325	1	Starter, Complete (Includes Mounting Ring and Ratchet Wheel)	17	192-0323	1	Screw, Cap - Counterbored (Special)
1	192-0045	1	Rope and Grip, Pull	18	862-0003	1	Nut, Hex (3/8-16)
2	192-0043	1	Rope, Pull (83")	19	526-0180	4	Washer, Flat (17/64" ID x 7/8" OD x 1/8" Thk)
3	192-0044	1	Grip, Rope (Rubber)	20	192-0186	1	Ring, Starter to Blower Housing Mounting
4	517-0025	1	Plug, Rope Grip	21	870-0110	4	Nut, Retainer (1/4-20)
5	192-0152	1	Housing, Starter	22	192-0309	1	Wheel, Ratchet
6	192-0153	1	Wheel, Cog - Anti-Backlash	23	526-0015	1	*Washer, Flat (9/32" ID x 9/16" OD x 1/16" Thk)
7	516-0138	1	Pin, Roll Recoil Spring (3/16" x 9/16")	24	NFS	1	Washer, Flat (Special)
8	192-0039	1	Spring, Recoil	25	850-0050	1	Washer, Lock - Spring (3/8")
9	526-0123	1	Washer, Thrust (Sheave Bushing to Cover) (25/64 ID x 1-1/4 OD x .0598" Thk)	26	815-0137	4	Screw, Tapping - Hex Head C (1/4-20 x 5/8")
10	192-0180	1	Sheave, Rope (Includes Parts Marked *)	27	815-0137	4	*Screw, Tapping - Hex Head C (1/4-20 x 5/8")
11	192-0172	1	*Pawl	28	526-0169	1	Washer, Flat (17/64" ID x 7/8" OD x 1/16" Thk)
12	192-0165	2	*Spring, Pawl	29	526-0130	4	Washer, Flat (17/64" ID x 1" OD x 1/16" Thk)
13	192-0168	2	*Arm, Ratchet	31	800-0007	4	Screw, Cap - Hex Head (1/4-20 x 1")
14	516-0110	4	*Pin, Roll (5/16 x 1/2") (2) Ratchet Arm, (2) Pawl				
15	192-0167	1	*Clamp, Rope				
16	192-0163	1	Bearing, Sheave Hub (Bronze)				

\* - Parts Included in 192-0180 Rope Sheave Assembly



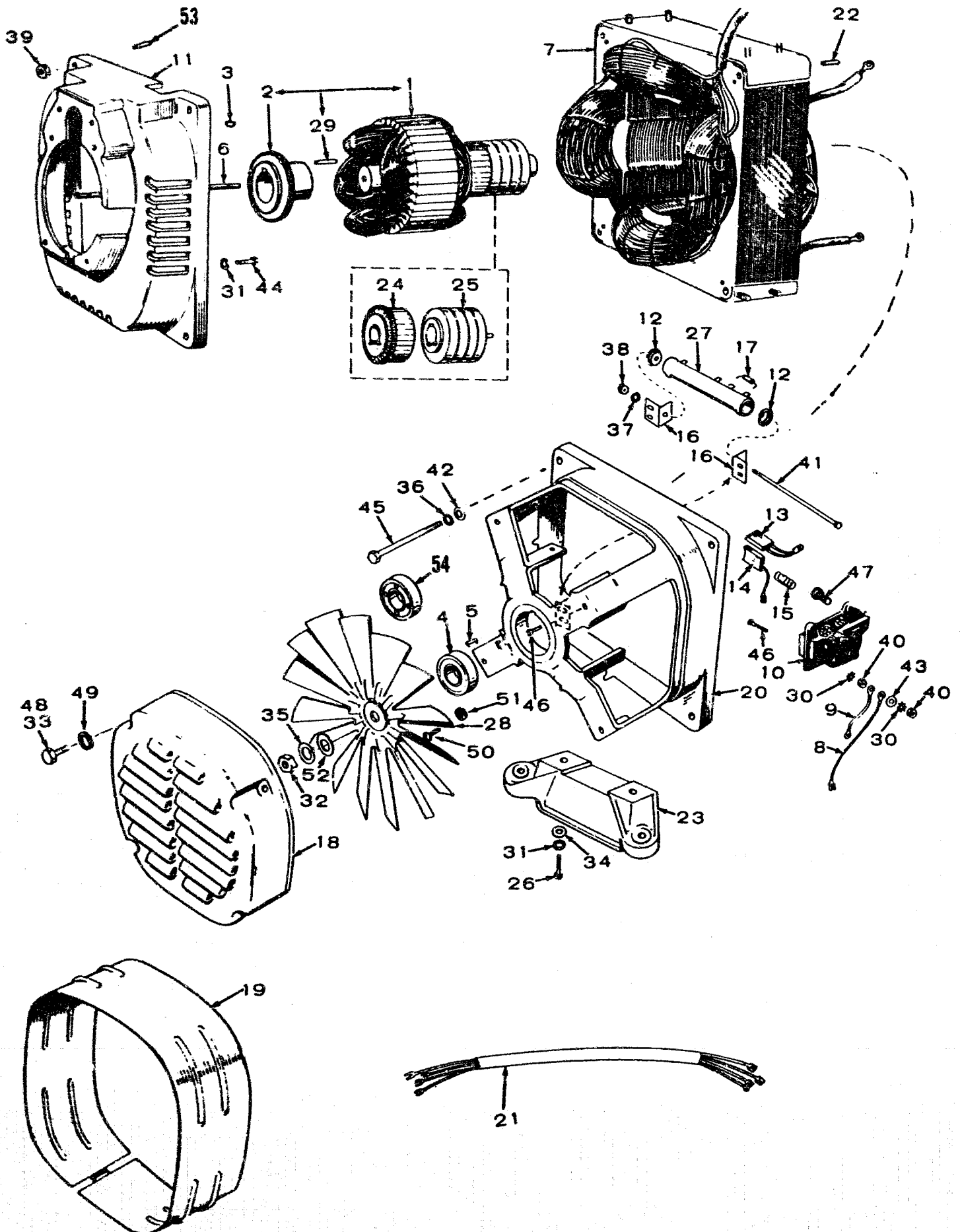
# Generator



# Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Rotors Without Extended Shaft (Includes Parts Marked *)	7			Stator Assembly, Wound
			50 Hertz Sets				50 Hertz Sets
	201-2328	1	3.5CCK-53P, 3.5CCK-53BR		220-1818	1	3.5CCK-53BP, 3.5CCK-53CP
	201-2323	1	3.5CCK-53CP & 3.5CCK-53CR - Spec A-R		220-1822	1	3.5CCK-53BR & 3.5CCK-53
	201-2505	1	3.5CCK-53CP & 3.5CCK-53CR - Begin Spec U				4.2CCK-53CP, 4.2CCK-53CR
	201-2321	1	3.5CCK-53BR				4.2CCK-55DR & 4.2CCK-57
	201-2518	1	4.0CCK-55DR - Begin Spec V		220-1818	1	4.0CCK-57P & 4.0CCK-57R,
	201-1912	1	4.2CCK-53CP & 4.2CCK-53CR - Spec R				4.0CCK-55DR, 4.2CCK-53B
	201-2483	1	4.2CCK-53BR - Spec R		220-1821	1	60 Hertz Sets
	201-2510	1	4.2CCK-53BR - Spec U				4.0CCK-3CP, 4.0CCK-3CR,
	201-2506	1	4.2CCK-53CR - Spec U				4.0CCK-4R & 4.0CCK-3CE,
	201-1905	1	4.2CCK-53CR - Spec R				4.0CCK-3R
	201-2329	1	4.2CCK-55DR - Spec R	8			5.0CCK-3CP, 5.0CCK-3CR,
	201-2330	1	4.2CCK-57R - Spec R		336-1891	4	3R, 4R, 4XR, 5.0CCK-5DR
	201-2507	1	4.2CCK-57R - Spec V		336-1890	4	& 5.0CCK-3CE, 4E
	201-2507	1	4.0CCK-57P & 4.0CCK-57R - Begin Spec U	9	336-0186	3	Lead Assembly, Brush
	201-2511	1	3.5CCK-53BR, 3.5CCK-53BP - Begin Spec U	10			Blade Type Terminals (9")
			60 Hertz Sets				Blade Type and Round Type
	201-1907	1	4.0CCK-3CP, 4.0CCK-3CR & 4.0CCK-3CE - Spec R		212-0352	1	Terminal (4")
	201-2504	1	4.0CCK-3CP, 4.0CCK-3CR & 4.0CCK-3CE - Begin Spec U		212-0345	1	†Jumper, Ground (3-1/2")
	201-1917	1	4.0CCK-4R - Spec R		212-0361	1	Block Assembly, Brush
	201-2514	1	4.0CCK-4R - Begin Spec V		212-0353	1	(Includes Parts Marked †)
	201-1903	1	5.0CCK-3CP, 5.0CCK-3CR, 5.0CCK-3R, 5.0CCK-3CE - Spec R	11	231-0164	1	Lower
	201-2503	1	5.0CCK-3CP, 5.0CCK-3CR, 5.0CCK-3CE & 5.0CCK-BR - Begin Spec V	12	304-0015	2	Right
	201-1913	1	5.0CCK-4R - Spec R	13	214-0095	4	Upper
	201-2512	1	5.0CCK-4R - Begin Spec U	14	214-0096	8	Left
	201-1918	1	5.0CCK-4XR - Spec R	15	212-1232	12	Adapter, Generator to Engine
	201-2513	1	5.0CCK-4XR - Begin Spec V	16	304-0706	2	(Includes 4 Alignment Pins)
	201-1914	1	5.0CCK-5DR - Spec R	17	357-0020	1	Washer, Centering Resistor
	201-2508	1	5.0CCK-5DR - Begin Spec V	18			†Brush, Commutator
			Rotors with Extended Shaft -		232-2107	1	†Brush, Collector
			60 Hertz Sets (Includes Parts Marked *)		232-2827	1	†Spring, Brush
	201-1964	1	4.0CCK-3CR - Spec R				Bracket, Resistor Mounting
	201-2524	1	4.0CCK-3CR - Begin Spec U				Diode
2	232-2316	1	*Hub, Drive - Spec R Only				Cover Assembly, Generator Fa
3	515-0006	1	Key, Drive Hub to Crankshaft - Spec R				Used on Sets Without
4	510-0047	1	*Bearing (Ball), Rotor				Extended Shaft Rotor
5	232-0596	1	Clip, Bearing Stop	19	234-0362	1	Used on Sets With Extended
6			Stud, Rotor Through	20	211-0187	1	Shaft Rotor
	520-0732	1	Key 1,2,4,5	21			Wrapper, End Bell
	520-0733	1	Key 3,6,7 - Also Key 4, Spec V, 50 Hertz		338-0642	1	Bell, End
	520-0781	1	Use Only on Extended Shaft Rotors		338-0643	1	Harness, Wiring
					338-0946	1	Single Phase - Spec R
							Three Phase - Spec R
					338-0947	1	Remote, 1 Phase - Begin
							Spec V
					338-0644	1	Remote, 3 Phase - Begin
							Spec V
					338-0645	1	Portable - Begin Spec V -
							1 Phase
							Portable, 3 Phase - Begin
							Spec V
				22	516-0182	8	Pin, Roll - Generator Frame
							(1/4 x 3/4")
				23	232-2321	1	Support, Generator
				24			*Commutator
					203-0153	1	Key 1,2,4,5
					203-0152	1	Key 3,6,7

# Generator



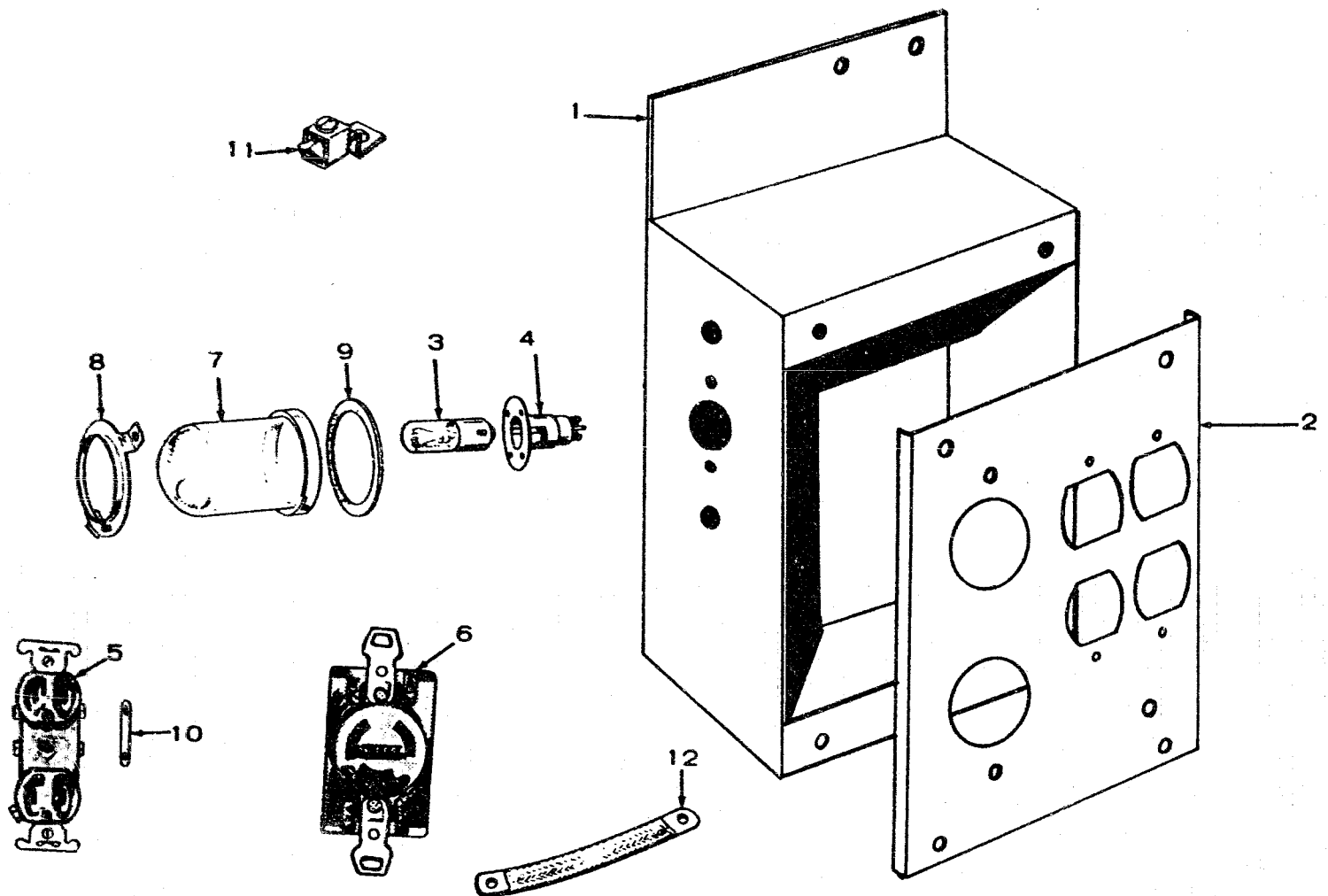
# Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
25	204-0110	1	*Collector Ring	43	526-0049	4	†Washer, Flat (13/64" ID x 7/16" OD x 1/32" Thk)
26	800-0051	2	Screw, Cap - Hex Head (3/8-16 x 1-1/4")	44	800-0050	4	Screw, Cap - Hex Head (3/8-16 x 1")
27			Resistor, Fixed	45			Screw, Cap - Hex Head
	353-0071	1	8.3-Ohms at 25 Watts/ 3.8-Ohms at 50 Watts - 4.2 & 5.0 kW		800-0043	4	5/16-18 x 5" - Key 1,2,4
					800-0044	4	5/16-18 x 7-1/2" - Key 3
	353-0072	1	5.7-Ohms at 25 Watts/ 2.5-Ohms at 50 Watts - 3.5 & 4.0 kW	46	815-0359	17	Screw, Tapping - Hex Washer Head (#10-32 x 7/8")
28			Fan, Generator	47	815-0341	4	†Screw, Machine - Hex Head (Brass) (#10-32 x 1")
	205-0090	1	Used on Sets Without Extended Shaft Rotor	48	812-0156	4	Screw, Machine - Round Head (Use With 232-2827 Generator Fan Cover) (1/4-20 x 1-1/2" - Spec V, Key 3 & 4 - 50 Hertz, Use 2
	205-0116	1	Used on Sets With Extended Shaft Rotor				Washer, Lock (Use With 232-2827 Generator Fan Cover) (1/4") - Spec V, Key 3 & 50 Hertz, Use 2
29	515-0007	1	*Key, Drive Hub to Rotor	49	850-0040	4	Washer, Lock (Use With 232-2827 Generator Fan Cover) (1/4") - Spec V, Key 3 & 50 Hertz, Use 2
30	853-0008	8	†Washer, Lock - ET (#10)	50	804-0016	4	Screw, Allen Head (Use With 205-0116 Generator Fan) (#10-32 x 3/8")
31	850-0050	6	Washer, Lock - Spring (3/8")	51	850-0030	4	Washer, Lock (Use With 205-0116 Generator Fan) (
32	870-0203	1	Nut, Hex (Special)	52	526-0032	1	Washer, Flat (Use With 520-0781 Stud) (29/64" ID 7/8" OD x 1/16" Thk)
33	815-0441	2	Screw, Tapping - Hex Head (1/4-20 x 1-1/2")	53	516-0196	4	Pin, Locating
34	526-0030	2	Washer, Flat (13/32" ID x 7/8" OD x 1/8" Thk)	54	232-2586	1	Hub, Fan (Extended Shaft)
35	850-0055	1	Washer, Lock - Spring (7/16")				
36	850-0045	4	Washer, Lock - Spring (5/16")				
37	850-0030	1	Washer, Lock - Spring (#10)				
38	860-0011	1	Nut, Hex (#10-24)				
39	862-0015	4	Nut, Hex (5/16-18)				
40	871-0010	8	†Nut, Hex - Brass (#10-32)				
41	812-0118	1	Screw, Machine - Round Head (#10-24 x 5")				
42	526-0115	4	Washer, Flat (11/32" ID x 11/16" OD x 1/16" Thk)				

\* - Parts Included in Rotor Assembly.

† - Parts Included in Brush Block Assembly.

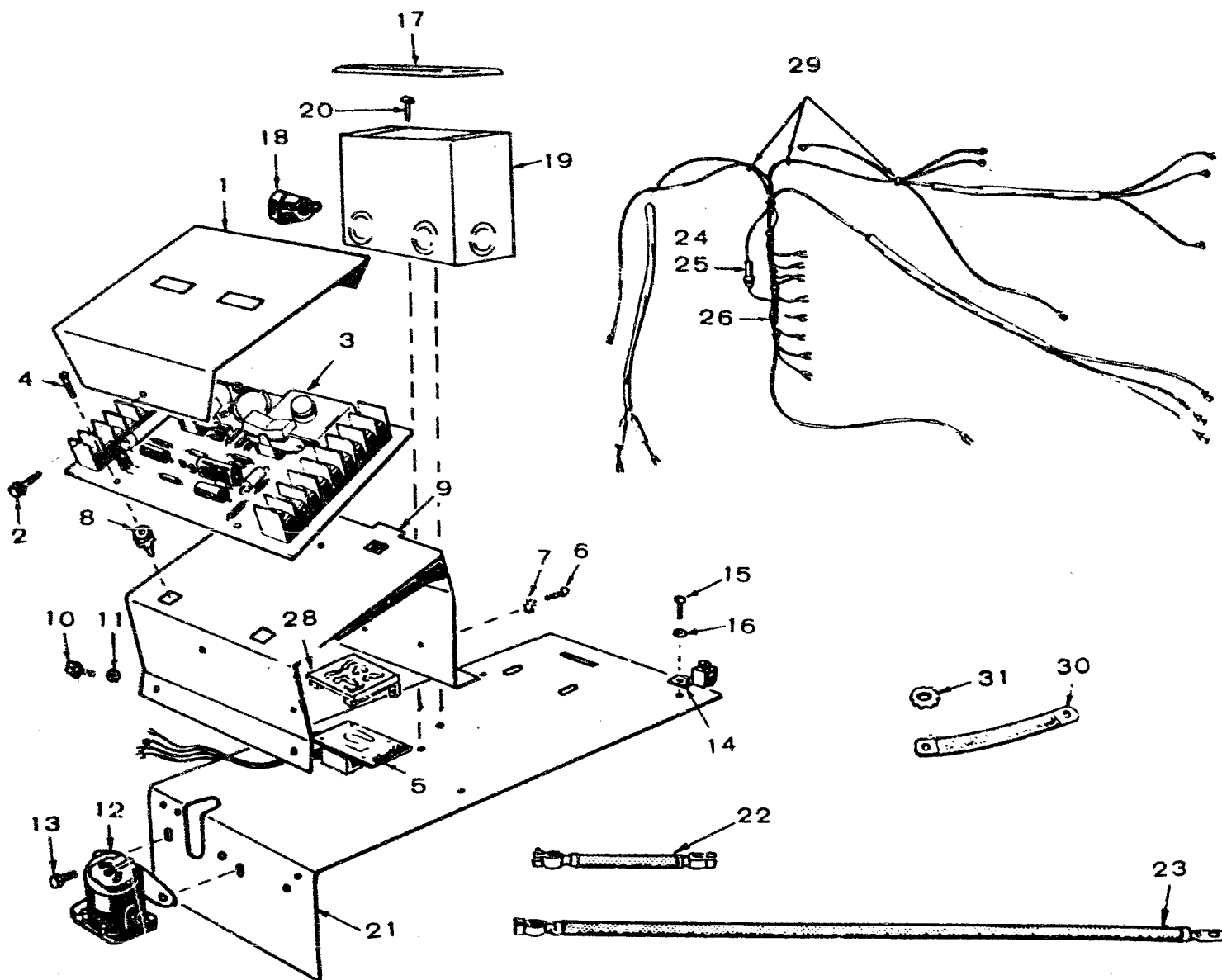
Control  
Key 1,4,6



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-3573	1	Box, Receptacle
2	301-3574	1	Panel, Receptacle Box
3	322-0011	1	Lamp, Receptacle Pilot Light
4	322-0021	1	Receptacle, Pilot Light
5	323-0383	2	Receptacle, Duplex
6	323-0855	2	Receptacle, Twistlock
7	149-0234	1	Guard, Pilot Light

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	301-1902	1	Clamp, Guard
9	149-0156	1	Gasket, Pilot Light Guard
10	332-1695	1	Jumper
11	332-0517	1	Lug, Terminal - Ground
12			Strap, Ground
	337-0050	1	Spec R
	337-0085	1	Begin Spec V

Control  
Keys 2,3,5,7  
Spec R Through U

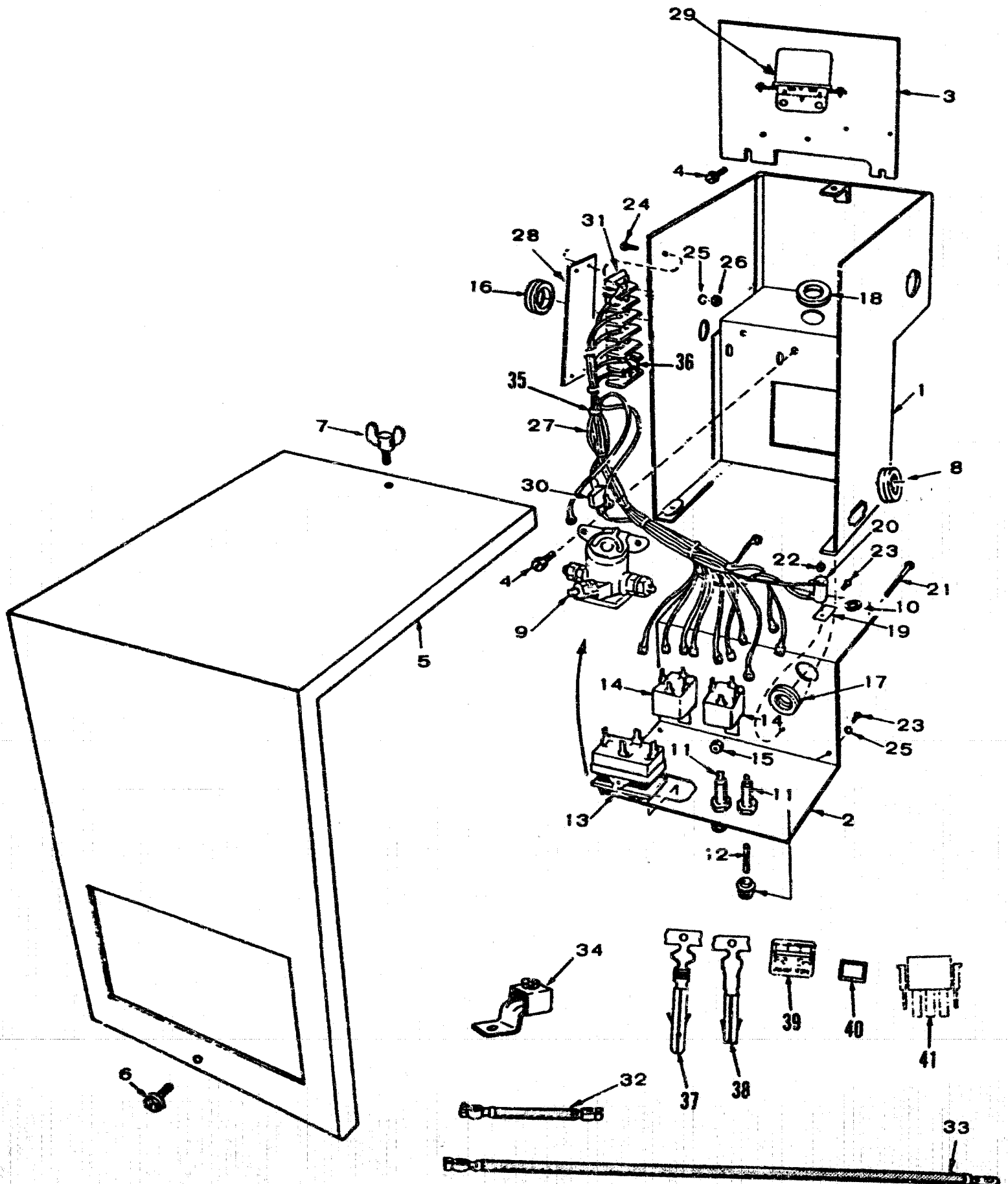


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-3484	1	Cover, Control
2	815-0350	3	Screw, Tapping - Hex Head (#10-32 x 3/8")
3	300-1884	1	Board, Voltage Regulator
4	815-0365	4	Screw, Tapping - Round Head (#8 x 3/4")
5	300-0935	1	*Control Starter Adapter
6	812-0077	4	*Screw, Machine - Round Head (#8-32 x 3/8")
7	853-0005	4	*Washer, Lock - ET (#8)
8	870-0263	4	Nut, Insulator (#8)
9	301-3481	1	Bracket, Control Mounting
10	815-0350	4	Screw, Tapping - Hex Head (#10-32 x 3/8")
11	856-0003	4	Washer, Lock - EIT (#10)
12	307-1166	1	Solenoid, Start
13	821-0009	1	Screw, Cap - Hex Washer Head (1/4-20 x 3/8")
14	332-0142	1	Terminal, Lug
15	821-0010	1	Screw, Cap - Hex Washer Head (1/4-20 x 1/4")
16	856-0006	1	Washer, Lock - EIT (1/4")
17	330-0004	1	Cover, Outlet Box
18	508-0179	1	Grommet, Outlet Box

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
19	330-0074	1	Box, Outlet
20	815-0350	2	Screw, Tapping - Hex Head (#10-32 x 3/8")
21	301-3560	1	Panel, Control Mounting
22	416-0004	1	Cable, Jumper - Battery (Optional)
23			Cable, Battery Unhoused Sets
	416-0077	2	28" Housed Sets
	416-0007	1	9" - Positive
	416-0014	1	15" - Negative
24	321-0194	1	Fuse (9 Amperes)
25	321-0193	1	Fuse Holder (Includes Fuse)
26	338-0682	1	Wiring Harness, Engine Con
28	300-1227	1	*Control, Disconnect Adapter
29	332-1567	11	Tie, Wire
30	337-0091	1	Strap, Ground - Housed Set
31	856-0012	1	Washer, Lock - ET (7/16") Housed Sets

\* - Effective Serial Number 0675954985, during

Control - Begin Spec V  
Keys 2,3,5,7



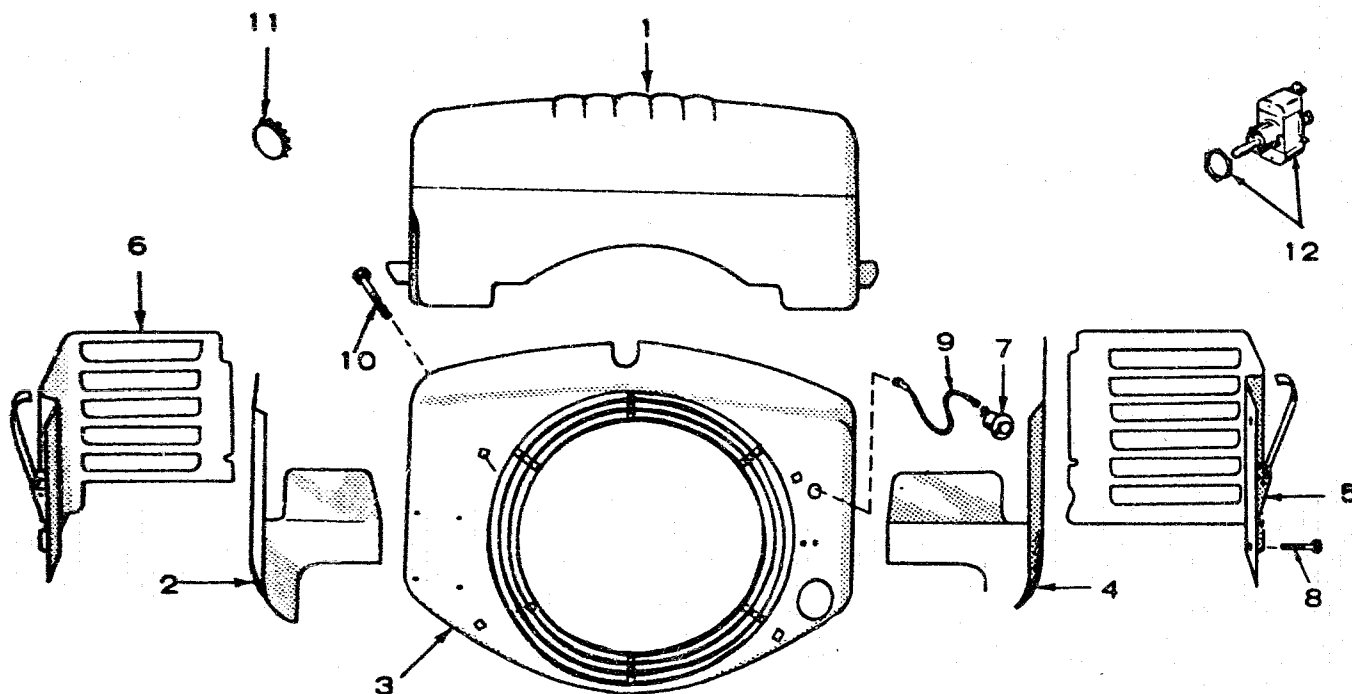
**Control - Begin Spec V**  
**Keys 2,3,5,7**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-4634	1	Box, Control	24	812-0065	2	Screw, Machine - Round Head (#6-32 x 5/8" Lg)
2	301-4442	1	Panel, Control	25	854-0006	2	Washer, Lock - Internal (#6)
3	301-4441	1	Plate, Generator Control	26	860-0005	2	Nut, Hex (#6-32)
4	821-0008	4	Screw, Cap - Locking Head (1/4-20 x 5/16" Lg)	27			Harness, Wiring (Includes Parts Marked *)
5	301-4545	1	Cover, Control Box (Includes Schematic)		338-1218	1	Gasoline
6	821-0004	1	Screw, Cap - Locking Head (#10-32 x 5/16" Lg)		338-1147	1	Gas and Gas-Gasoline
7	518-0056	1	Nut, Wing (#10-32 x 1/2")	28	332-2103	1	Strip, Terminal Block Marked
8	508-0021	1	Grommet, Rubber	29	305-0383	1	Regulator, Voltage
9	307-1617	1	Relay, Start Solenoid	30	357-0030	2	*Rectifier, Silicon (Key 5, Use 1)
10	508-0015	1	Washer, Fiber	31	332-0699	1	*Block, Terminal - 6 Place
11	321-0175	2	Holder, Fuse	32	416-0014	1	Cable, Battery - 15" (Negative) - Housed Sets
12	321-0174	2	Fuse (5 Amp)				Cable, Battery - 28" (Positive)
13	308-0383	1	Switch, Start/Stop	33	416-0077	1	Terminal, Solderless
14	307-1575	2	*Relay, Ignition (Crank-Run)	34	332-0142	1	*Tie, Cable - Wiring Harness
15	870-0131	5	Nut, Hex - With Washer (#10-32)	35	332-0942	16	*Jumper, Terminal
16	508-0208	1	Bushing, Nylon	36	332-1043	2	*Pin, Contact - Male
17	331-0088	1	Bushing	37	323-1199	5	*Socket, Contact - Female
18	508-0191	1	Bushing	38	323-1200	17	*Housing, Connector Push On
19	304-0580	1	Insulator	39	332-0819	2	*Housing, Terminal
20	352-0161	1	*Resistor - 10-Ohm, 5 Watts	40	332-2298	1	*Plug (9 Pin)
21	812-0087	1	Screw, Machine - Round Head (#8-32 x 1/2" Lg)	41	323-1291	1	
22	870-0221	1	Nut, Hex - W/ET (#8-32)				
23	821-0004	7	Screw, Cap - Locking Head (#10-32 x 5/16" Lg)				

\* - Parts Included in Wiring Harness.



## Air Housing



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-1013	1	Hood, Engine - Key 1,4,6	5	134-0662	1	Cover, Cylinder - Right (No. 2 Cylinder) - Key 1,4,6
2	134-0589	1	Housing, Cylinder Air - Left (No. 1 Cylinder)	6	134-0663	1	Cover, Cylinder - Left (No. 1 Cylinder) - Key 1,4,6
3			Housing, Blower	7	313-0018	1	Button, Stop - Key 1,4,6
			Sets Without Spin-on Oil Filter	8	815-0261	4	Screw, Tapping - Hex Washer Head (1/4-20 x 1/2")
	134-1579	1	Key 1,4,6	9	334-0028	1	Lead, Stop (4 Ft. Piece of Bulk Wire)
	134-1566	1	Key 2,3,5,7 - Spec R	10	821-0010	3	Screw, Cap - Hex Washer Head (1/4-20 x 1/2")
	134-3885	1	Key 2,3,5,7 - Begin Spec V	11	517-0021	1	Plug, Dot Button (7/8" Hole) - Key 2,3,5,7
			Sets With Spin-on Oil Filter	12	308-0097	1	Switch, Momentary Contact - Optional
	134-2894	1	Key 1,4,6				
	134-2710	1	Key 2,3,5,7 - Spec R				
	134-3919	1	Key 2,3,5,7 - Begin Spec V				
4			Housing, Cylinder Air - Right (No. 2 Cylinder)				
	134-0588	1	Sets Without Spin-on Filter				
	134-2237	1	Sets With Spin-on Oil Filter				

# **Service Kits and Miscellaneous**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	98-1100	1	Decal Kit
	168-0103	1	Gasket Kit, Plant
	168-0095	1	Carbon Removal Gasket Kit
	412-0032	1	Cover, Canvas

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	525-0305	1	Paint, Touch-Up (Pressurizer 13 oz. Can) Non-Metallic Green Enamel

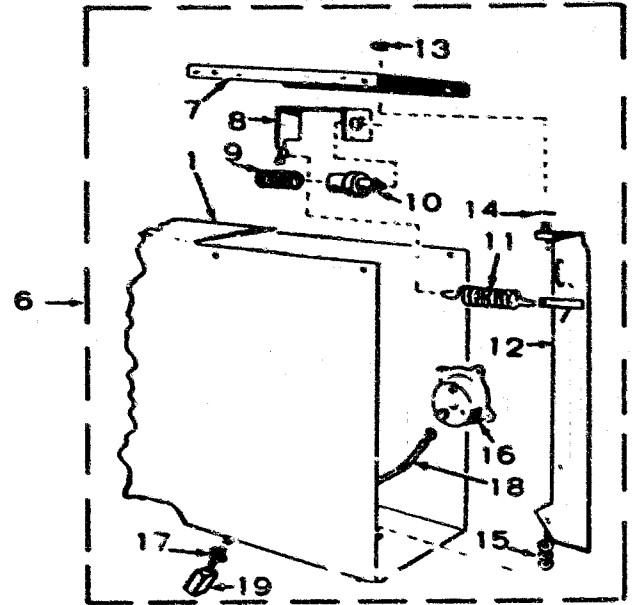
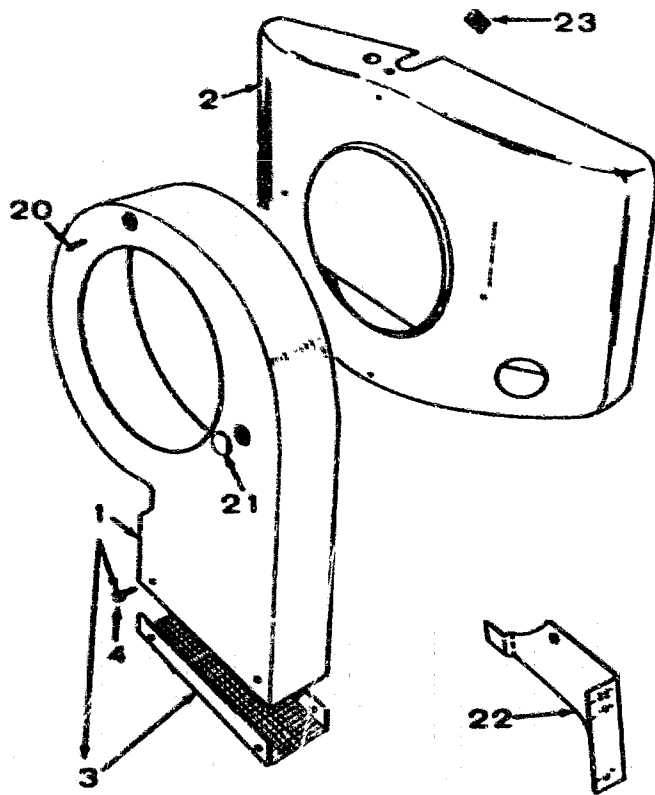
NOTE: For other Kits, refer to the Group for the part in question.

## **OPTIONAL EQUIPMENT SECTION**

**This section contains parts listing of factory installed options.**

**NOTE: Options may not be applicable to all models; for field installations, additional parts are usually required.**

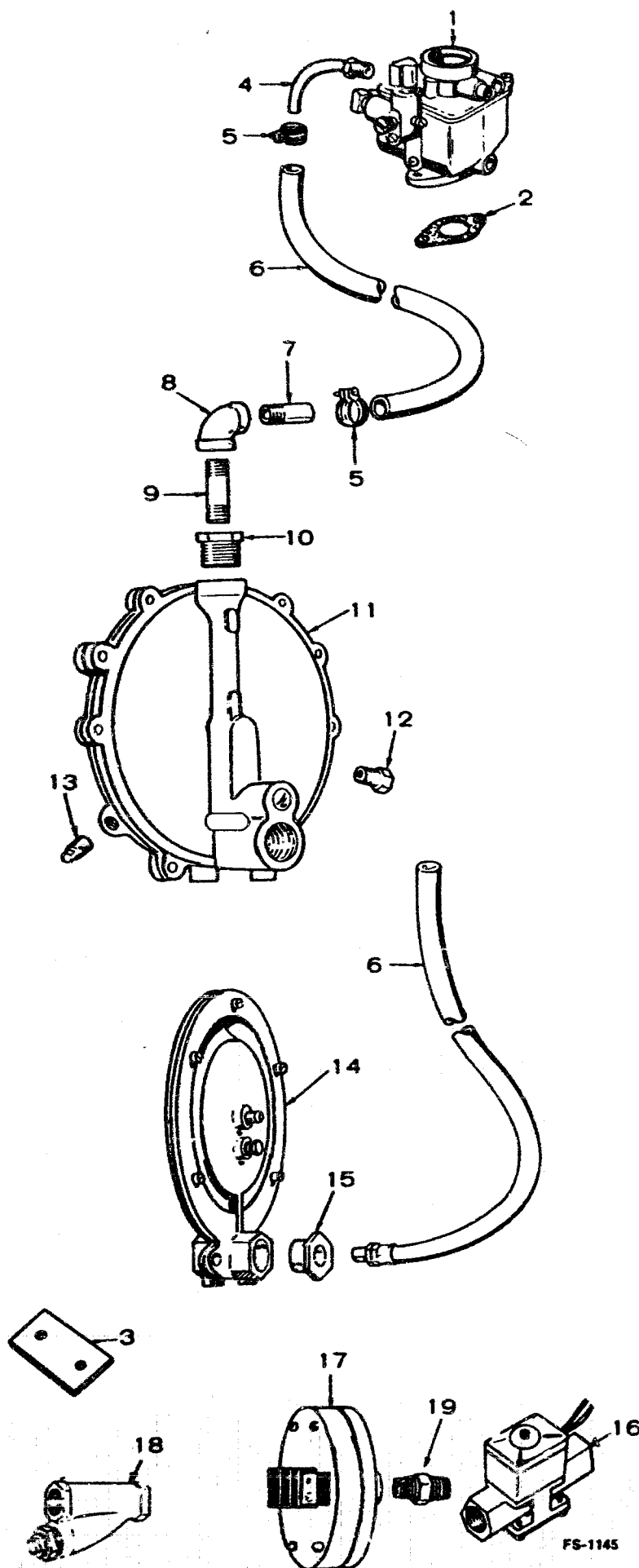
# Vacu-Flo Cooling and Air Shutter - Optional (Key 2,3,5,7)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Scroll, Air Outlet Sets Without Air Shutter (Includes Guard)	7	134-0661	1	*Plate, Vernatherm Element Mounting
	134-3050	1	Without Rope Sheave Opening	8	134-0660	1	*Bracket, Vernatherm Element
	134-3041	1	With Rope Sheave Opening	9	134-0656	1	*Element, Vernatherm
	134-0815	1	Sets With Air Shutter	10	309-0085	1	*Element, Vernatherm
	134-2696	1	*Without Rope Sheave Opening	11	134-0658	1	*Spring, Shutter
			With Rope Sheave Opening	12	134-0655	1	*Shutter, Circulated Air Control
			Sets Without Guard and	13	518-0074	1	*Ring, Retainer - Shutter Shaft
			Without Air Shutter	14	526-0102	1	*Washer, Flat (25/64" ID x 15/16" OD x 1/32" Thk)
	134-2692	1	With High Air Temperature Cut-off	15	526-0016	3	*Washer, Flat (17/64" ID x 9/16" OD x 1/32" Thk)
2			Housing, Blower	16	309-0002	1	*Switch, High Air Temperature
	134-2015	1	Sets Without Spin-on Oil Filter - Spec R	17	508-0031	1	*Grommet, Rubber - High Air Temperature Lead (11/32" Hole)
	134-1572	1	Sets Without Spin-on Oil Filter - Begin Spec S	18	334-0028	1	*Lead, High Air Temperature Switch (4 Ft. Piece of Bulk Wire)
	134-2102	1	Sets Without Spin-on Oil Filter - Begin Spec U	19	332-0556	1	*Connector, Quick Disconnect
	134-2786	1	Sets With Spin-on Oil Filter - Spec R	20	821-0010	3	Screw, Lock Head (Flange) Spec R, U (1/4-20 x 1/2")
	134-2235	1	Sets With Spin-on Oil Filter - Begin Spec V		821-0008	4	Begin Spec V (1/4-20 x 5/16")
3	134-2956	1	Guard, Scroll Air Outlet	21	517-0021	2	Plug, Dot Button
4	815-0421	4	Screw, Tapping - Hex Head With ET (#10-16 x 1/2")	22	166-0519	1	Bracket, Timing
5	517-0035	1	Plug, Dot Button - Timing Hole (1-1/16")	23	870-0110	4	Nut, Speed Grip (1/4-20)
6	134-0816	1	Shutter Assembly, Air (Includes Parts Marked *)				

\* - Parts Included in 134-0816 Air Shutter Assembly

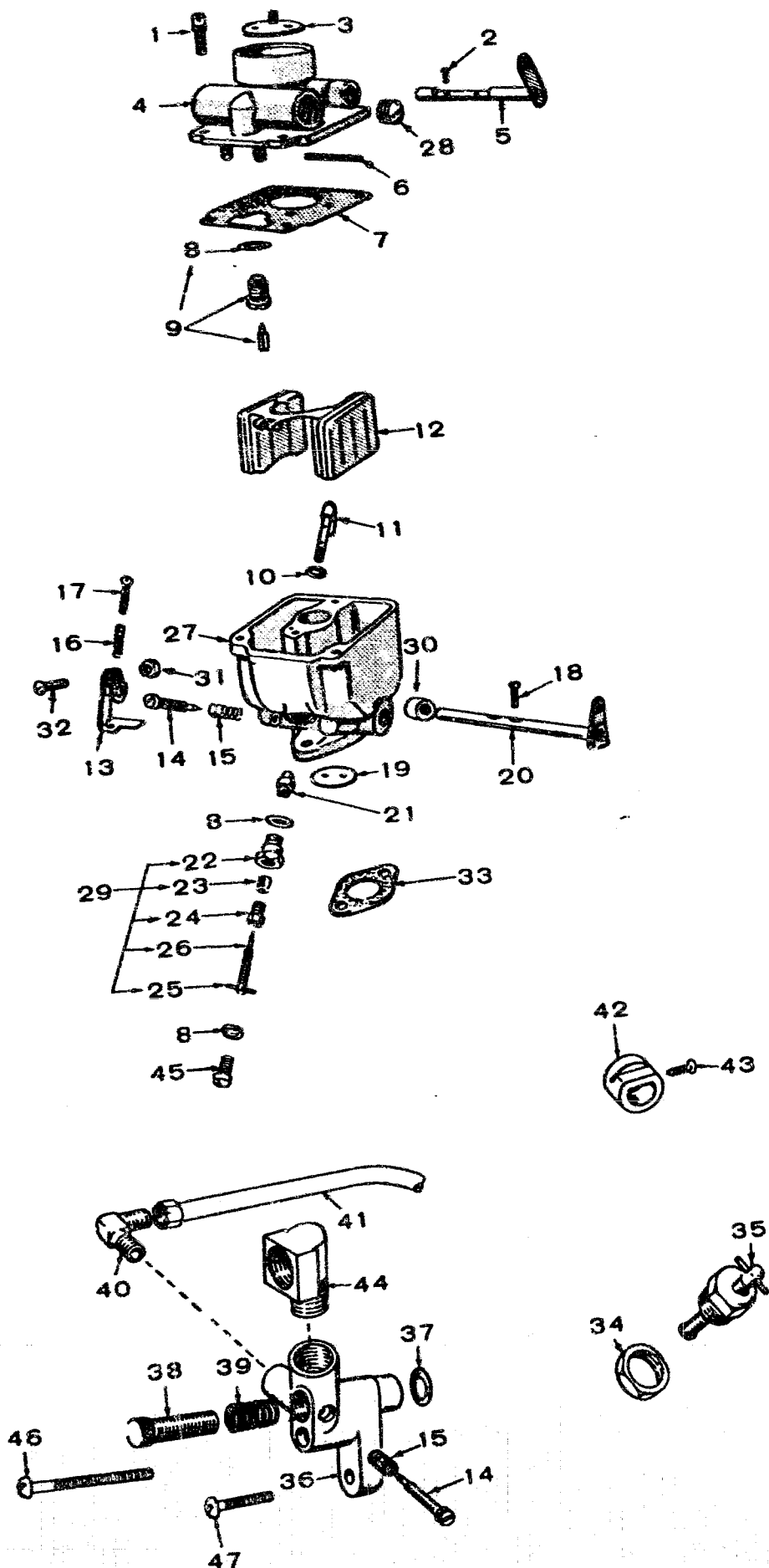
# Gas and Gas-Gasoline Fuel System Optional



# Gas and Gas-Gasoline Fuel System Optional

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Carburetor, Complete (Includes Mounting Gasket) (See Separate Group for Components) Gas-Gasoline	8	505-0038	1	Elbow, Pipe - Female (1/4 x 90")
	142-0616	1	Manual Choke - Key 1,4,6	9	505-0099	1	Nipple, Pipe - Close (1/4" x 7/8")
	142-0615	1	Electric Choke - Key 2,3,5,7	10	505-0017	1	Bushing, Reducer (3/8" x 1/2")
	142-0617	1	Gas	11	148-0311	1	Regulator, Gas Fuel (Garret
2	141-0078	1	Gasket Carburetor Mounting	12	148-0107	1	Vent. Regulator
3	149-0136	1	Cover, Fuel Pump Hole - Gas Only Sets	13	505-0057	1	Plug, Pipe (1/8")
4	148-0147	1	Pipe, Gas Fuel	14	148-0428	1	Regulator, Gas Fuel (Ensign
5	503-0032	2	Clamp, Hose	15	505-0021	1	Bushing, Reducer (3/4" x 1/2")
6			Line, Fuel	16	307-0312	1	Valve, Solenoid - Gas Fuel
	503-0315	1	Sets With Garretson Regulator	17	148-0367	1	Switch, Vacuum Regulator
	501-0025	1	Sets With Ensign Regulator	18	149-0558	1	Strainer, Gas Fuel
7	505-0302	1	Nipple, Pipe - Half (1/4" x 1-1/2")		148-0390	1	Garretson
				19	502-0082	1	Nipple, Hex - Vacuum Switch (1/8 x 1/8")

# Carburetor Parts - Gas and Gas-Gasoline Optional



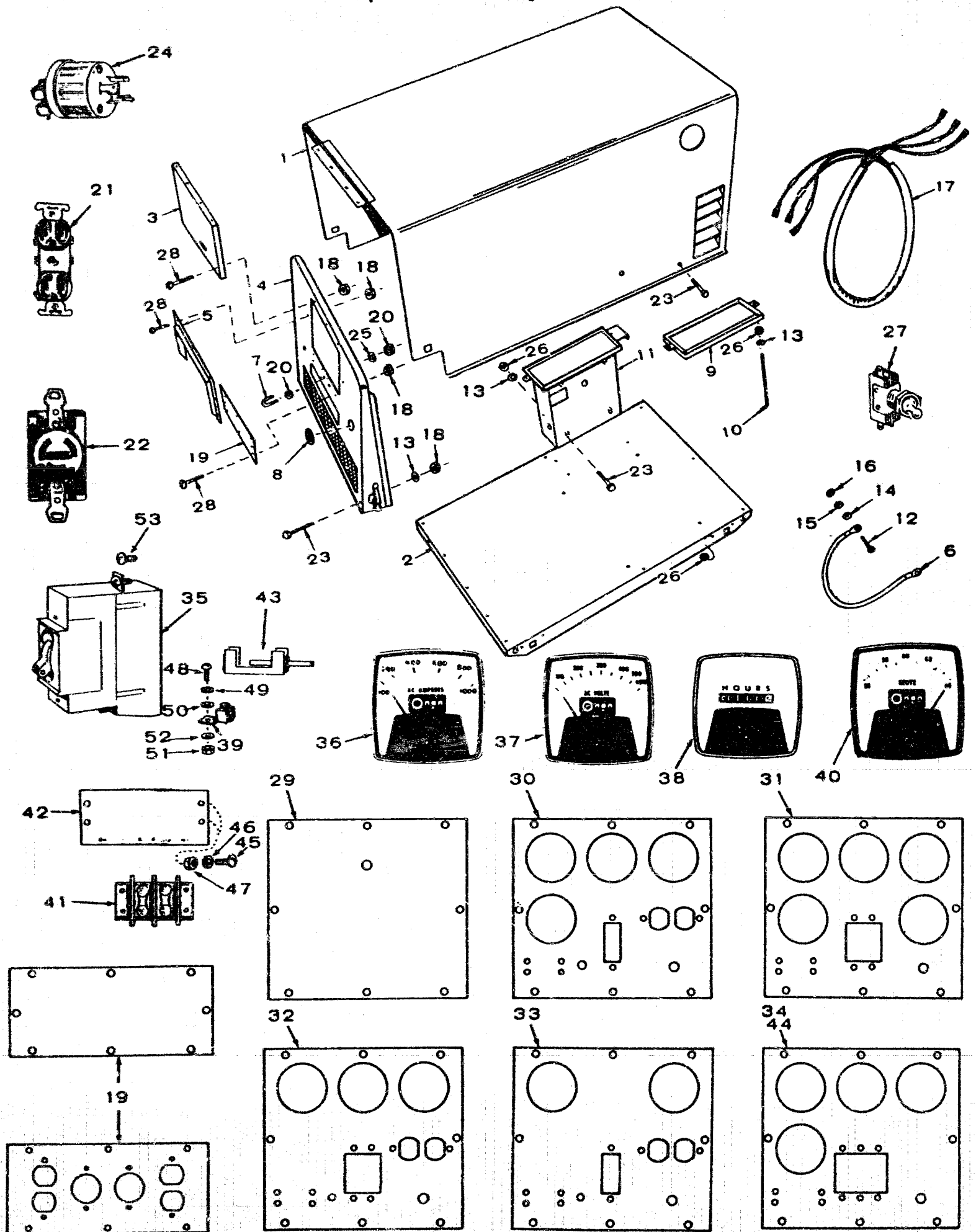
# **Carburetor Parts - Gas and Gas-Gasoline Optional**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Carburetor, Complete (Includes Mounting Gasket)	22	142-0046	1	Retainer, Main Adjusting Needle - Gas-Gasoline
	142-0616	1	Gas-Gasoline	23	142-0206	1	†Packing, Main Adjusting Needle - Gas-Gasoline
	142-0615	1	Manual Choke - Key 1,4,6	24	142-0045	1	Retainer, Main Adjusting Needle Packing - Gas-Gasol
			Electric Choke - Key 2,3,5,7	25	516-0027	1	Pin, Main Adjusting Needle Gas-Gasoline
1	142-0617	1	Gas	26	142-0041	1	†Needle, Main Adjusting - Gas-Gasoline
			Screw, Machine - Fillister Head	27		1	Body Assembly (Not Sold Separately)
	815-0103	1	#10-24 x 1/2"	28	505-0008	1	Plug, Pipe (1/8")
	815-0109	2	#10-24 x 5/8"	29	142-0042	1	Needle Assembly, Main Adjusting - Gas-Gasoline
2	815-0091	2	†Screw, Machine - Fillister Head With IT (#4-40 x 3/16")	30	142-0343	2	Bushing, Throttle Shaft
			Gas-Gasoline	31	870-0053	1	Nut, Hex (#10-32)
3			Fly, Choke - Gas-Gasoline	32	813-0103	1	Screw, Machine - Round Head (#10-32 x 3/4")
	142-0055	1	Key 1,4,6	33	141-0078	1	*Gasket, Carburetor Mounting
	142-0037	1	Key 2,3,5,7	34	NFS	1	Nut, Hex - Float Lock Gas-Gasoline
4	142-0205	1	Sleeve, Choke (Cover)	35	148-0135	1	Lock Assembly, Float - Gas-Gasoline
5			Shaft, Choke - Gas-Gasoline	36	148-0126	1	Adapter, Gas Fuel
	142-0217	1	Key 1,4,6	37	509-0091	1	Gasket, Adapter Mounting
	142-0183	1	Key 2,3,5,7	38	148-0131	1	Screw, Adapter Adjusting
6	142-0039		†Shaft, Float - Gas-Gasoline	39	148-0010	1	Spring, Adapter Adjusting
7	142-0031	1	*Gasket, Fuel Bowl	40	502-0034	1	Elbow, Male - Idle Line to Adapter
8	148-0017	2	*Gasket, (1) Float Valve Seat, (1) Main Adjusting Needle Retainer	41	149-0030	1	Line, Idle Fuel
9			Valve and Seat Assembly - Gas-Gasoline	42	148-0008	1	Lock, Choke (Gas-Gasoline) 2,3,5,7
	142-0049	1	† Sets Without Day Tank	43	518-0075	1	Screw, Choke Lock (6-32 x Gas-Gasoline - Key 2,3,5,7
	142-0356	1	Sets With Day Tank	44	502-0074	1	Elbow, Inverted - Gas Fuel Inlet
10	142-0032	1	*Gasket Nozzle - Gas-Gasoline	45	142-0015	1	Plug, Body - Gas
11	142-0285	1	Nozzle Assembly - Gas-Gasoline	46	812-0088	1	Screw, Machine - Round Head (#8-32 x 1-3/4")
12	142-0361	1	Float and Lever Assembly - Gas-Gasoline	47	812-0125	1	Screw, Machine - Round Head (#12-24 x 1/2")
13	145-0008	1	Lever, Idle Stop		142-0033	1	†Kit, Gasket (Includes Part Marked *)
14			Needle, Idle Adjusting		142-0371	1	Kit, Repair (Includes Part Marked †) - Gas-Gasoline
	142-0040	2	† Gas-Gasoline				
	142-0040	1	Gas				
15			Spring, Idle Adjusting Needle				
	142-0282	2	Gas-Gasoline				
	142-0282	1	Gas				
16	142-0035	1	Spring, Throttle Stop Adjusting Screw				
17	812-0063	1	Screw, Machine - Round Head (#6-32 x 1/2")				
18	815-0072	2	†Screw, Machine - Oval Head (#4-40 x 1/4")				
19	142-0369	1	Fly, Throttle				
20	142-0368	1	†Shaft, Throttle				
21	142-0368	1	Nut and Jet, Nozzle - Gas-Gasoline				

\* - Parts Included in 142-0033 Gasket Kit.  
† - Parts Included in 142-0371 Repair Kit.



# Housing and Meter Panel Optional - Key 2,3,5,7

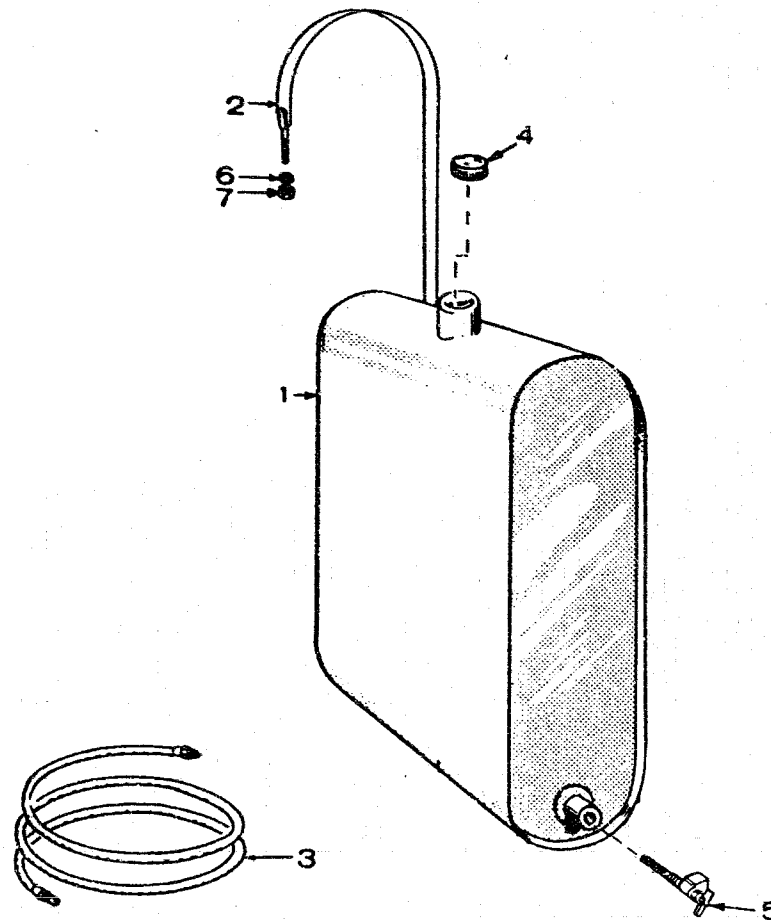


# Housing and Meter Panel Optional - Key 2,3,5,7

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Housing and Meter Panel - Optional (Includes Parts Marked *)	29	301-1385	1	Panel, Control - Sets Without Meters
	405-2251	1	Begin Spec R - Without Receptacle	30	301-2045	1	Panel, Meter - 4 Meter
	405-2254	1	Begin Spec R - With Receptacle	31	301-3114	1	Panel, Meter - 5 Meter
			Housing Without Meter Panel - Optional (Includes Parts Marked †)	32	301-1380	1	Panel, Meter - 3 Meter
	405-2252	1	Begin Spec R - Without Receptacle	33	301-1379	1	Panel, Meter - 2 Meter
	405-2253	1	Begin Spec R - With Receptacle	34	301-1381	1	Panel, Meter - 4 Meter
1	405-1001	1	†*Cover, Hinged - Sides and Top	35			Breaker, Circuit
2	403-0358	1	†*Skid, Mounting		320-0257	1	12 Ampere - 120/240 Volt
3	301-1378	1	†*Cover, Instrument Panel		320-0002	1	15 Ampere - 120 VAC
4			Panel, Housing - Rear		320-0170	1	18 Ampere - 120 VAC
	405-2147	1	†*Sets Without Receptacle Panel		320-0018	1	20 Ampere - 120 VAC
	405-1000	1	†*Sets With Receptacle Panel		320-0019	2	25 Ampere - 120 VAC
5	405-1035	1	†*Shield, Rain		320-0020	1	35 Ampere - 120 VAC
6	405-1134	2	†*Cord, Door Stop		320-0052	1	50 Ampere - 120 VAC
7	405-0992	1	†*Bolt, U		320-0482	1	6 Ampere - 480 VAC
8	508-0001	1	†*Grommet, Rubber (1-1/16" Hole)	36			Ammeter - AC (Select According to Scale)
9			Frame, Battery Hold-Down		302-0460	1	Scale Reads 0-20 Ampere
	416-0612	1	†* Spec R		302-0418	1	Scale Reads 0-30 Ampere
	416-0710	1	Begin Spec V		302-0444	1	Scale Reads 0-35 Ampere
10			Stud, Battery Hold-Down		302-0419	1	Scale Reads 0-50 Ampere
	416-0541	2	†* Spec R		302-0445	1	Scale Reads 0-10 Ampere
	416-0718	2	Begin Spec V	37			Voltmeter - AC (Select According to Scale)
11			Tray, Battery		302-0420	1	Scale Reads 0-150 Volt
	416-0638	1	†* Spec R		302-0421	1	Scale Reads 0-300 Volt
	416-0709	1	Begin Spec V		302-0612	1	Scale Reads 0-500 Volt
12	800-0005	2	†*Screw, Cap - Hex Head (1/4-20 x 3/4")	38			Meter, Running Time
13	526-0115	9	†*Washer, Flat (11/32" ID x 11/16" OD x 1/16" Thk)		302-0468	1	120 Volt, 50 Hertz
14	526-0130	2	†*Washer, Flat (17/64" ID x 1" OD x 1/16" Thk)		302-0465	1	120 Volt, 60 Hertz
15	870-0212	2	†*Nut, Hex - Self-locking (1/4-20)		302-0469	1	240 Volt, 50 Hertz
16	870-0065	2	†*Nut, Hex - Huglock (1/4-20)	39	332-0142	1	Terminal, Lug - Meter Panel
17	338-0520	1	Harness, Start-Stop Switch	40			Meter, Frequency
18	870-0131	20	†*Nut, Hex Washer Head (#10-32)		302-0234	1	50 Hertz, 120 Volt
19			Panel, Receptacle		302-0256	1	50 Hertz, 240 Volt
	301-1388	1	Sets With Receptacles		302-0213	1	60 Hertz, 120 Volt
	301-1386	1	Sets Without Receptacles (Blank)	41			Block, Terminal
20	862-0001	4	†*Nut, Hex (1/4"-20)		332-0231	1	2 Place
21			Receptacle, Duplex		332-0236	1	3 Place
	323-0283	1	120 Volt (15 Amp)	42			Strip, Marker
	323-0213	1	240 Volt (15 Amp)		332-0237	1	2 Place Terminal Block
22	323-0856	1	Receptacle, Twistlock (20 Amp, 120/240 Volt)		332-0238	1	3 Place Terminal Block
23	800-0026	12	†*Screw, Cap - Hex Head (5/16-18 x 3/4")	43	320-0202	1	Tie, Circuit Breaker Handle (Includes Pin)
24	323-0857	1	Plug, Twistlock Receptacle	44	301-3206	1	Panel, Meter
25	850-0040	2	†*Washer, Lock Spring (1/4")	45	812-0066	4	Screw, Machine - Round Head (#6-32 x 3/4")
26	870-0257	14	†*Nut, Flange - Hex Washer Head (5/16-18)	46	853-0003	4	Washer, Lock - ET (#6)
27	308-0154	1	Switch, Start-Stop	47	860-0006	4	Nut, Hex (#6-32)
28	813-0098	20	†*Screw, Machine - Round Head (#10-32 x 3/8")	48	810-0155	1	Screw, Machine - Round Head (1/4-20 x 1-1/4")
				49	854-0014	2	Washer, Lock - IT (1/4")
				50	856-0006	2	Washer, Lock - EIT (1/4")
				51	871-0015	2	Nut, Hex (1/4-20)
				52	526-0052	1	Washer, Flat (17/64" ID x 9/16" OD x 1/32" Thk)
				53	812-0077	12	Screw, Machine - Round Head Circuit Breaker to Meter Panel (#8-32 x 3/8")

\* - Parts Included in Housing Kit (with Meter Panel)  
† - Parts Included in Housing Kit (W/O Meter Panel)

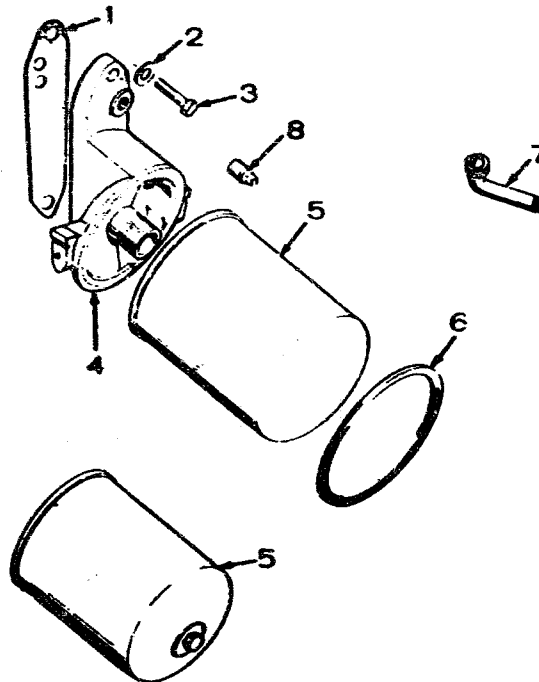
**Fuel Tank (6.5 Gallon)**  
**Optional - Key 2,3,5,7**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-0592	1	Tank, Fuel (Includes Cap)
2	159-0594	2	Band, Fuel Tank Mounting
3			Line, Fuel
	501-0005	1	18-1/2" Lg
	501-0131	1	24" Lg

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	159-0007	1	Cap, Fuel Tank
5	504-0013	1	Valve, Fuel Shut-Off
6	862-0001	2	Nut, Hex (1/4-20)
7	850-0040	2	Washer, Lock - Spring (1/4")

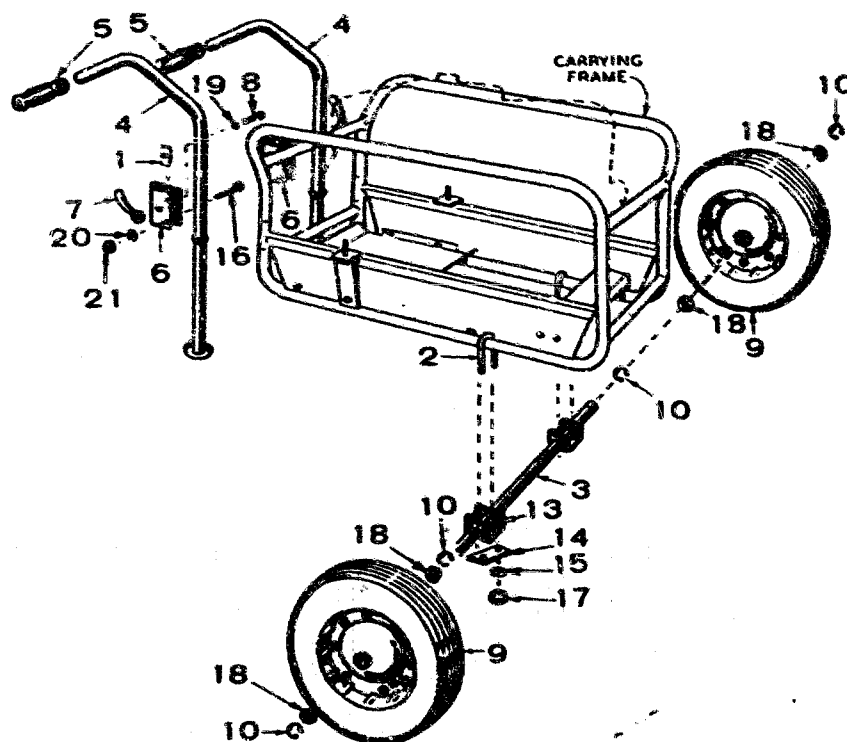
# Spin-on Oil Filter Optional



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	122-0321	1	Gasket, Adapter
2	526-0065	2	Washer, Flat - Copper (21/64" ID x 9/16" OD x 1/16" Thk)
3	800-0028	2	Screw, Cap - Hex Head (5/16-18 x 1")
4	122-0320	1	Adapter, Filter

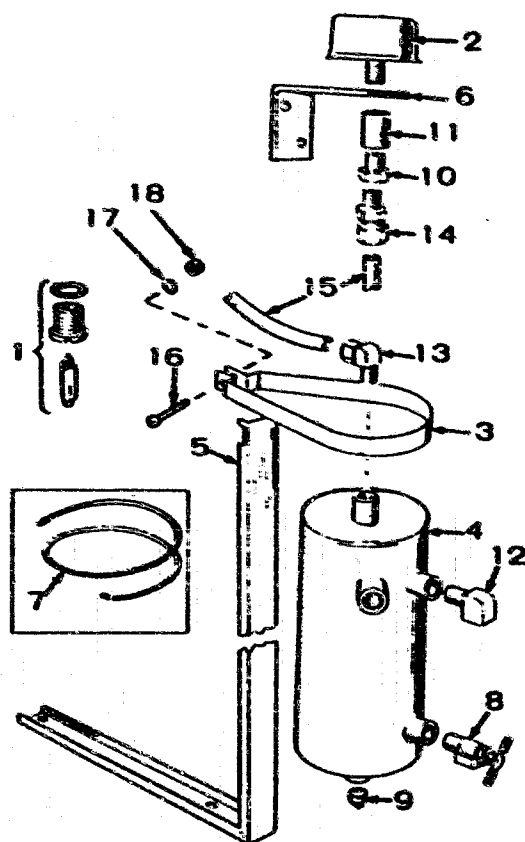
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	122-0323	1	Filter, Spin-on Without Hex Nut
	122-0406	1	With Hex Nut
6	122-0347	1	Seal, Air
7	122-0345	1	Tube, Oil Drain
8	505-0057	1	Plug, Pipe (1/8")

# **Dolly** **Optional - Key 1,4,6**



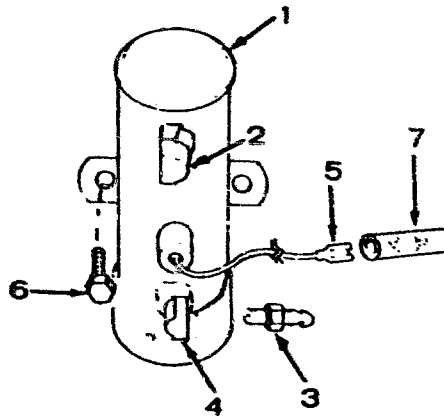
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	410-0235	1	Dolly Assembly (Complete)	13	410-0283	2	Support, Axle
1	410-0238	2	Lock, Handle	14	410-0284	2	Plate, Axle Support
2	410-0148	2	Bolt, U	15	850-0050	4	Washer, Lock - Spring (3/8")
3	410-0233	1	Axle, Dolly	16	800-0032	4	Screw, Cap - Hex Head (5/16-18 x 1-3/4")
4	410-0147	2	Handle, Dolly	17	860-0017	4	Nut, Hex (3/8-16)
5	403-0205	2	Grip, Handle	18	526-0081	4	Washer, Flat (1-1/64" ID x 1-5/8" OD x 1/8" Thk)
6	410-0179	2	Channels, U	19	854-0020	2	Washer, Lock - IT (3/8")
7	406-0062	2	Nut, Handle	20	850-0045	4	Washer, Lock - Spring (5/16")
8	800-0052	1	Screw, Cap - Hex Head (3/8-16 x 1-1/2")	21	862-0015	4	Nut, Hex (5/16-18)
9	410-0236	2	Tire and Wheel Assembly (4.00 x 16)				
10	518-0130	4	Ring, Retaining - External (63/64")				

# Reservoir (Day) Tank Optional



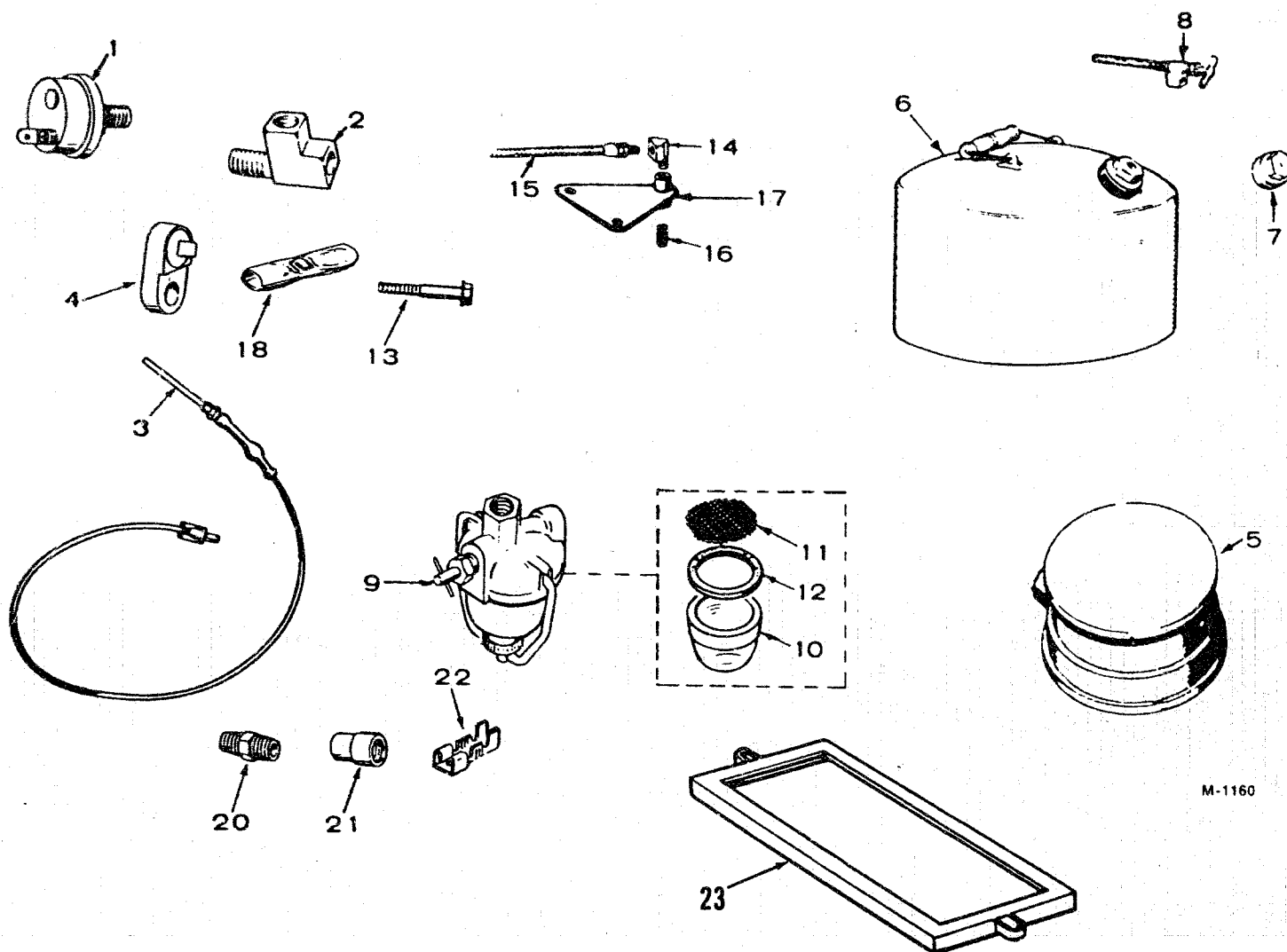
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	159-0591	1	Tank Kit, Reservoir (Day)	8	504-0086	1	Valve, Shut-Off
	159-0942	1	One Quart	9	505-0057	1	Plug, Pipe - Socket Head (1
1	142-0356	1	Two Quart	10	505-0016	1	Bushing, Pipe - Reducer
			Valve, Fuel - Carburetor Fuel				(3/8" x 1/8")
2	159-0041	1	Inlet	11	505-0028	1	Coupling, Pipe (3/8")
3			Cap, Vent	12	502-0020	1	Elbow, Street (90°)
	159-0556	1	Band, Tank Mounting	13	502-0024	1	Elbow, Compression Male (90°)
	159-0936	1	One Quart	14	502-0116	1	Connector, Compression Male
4			Two Quart				(1/8")
			Tank, Reservoir	15	159-0345	1	Tubing, Copper (5/16" x 12"
	159-0294	1	One Quart	16	812-0156	1	Screw, Machine - Round Head
	159-0746	1	Two Quart				(1/4-20 x 1-1/2")
5	159-0612	1	Bracket, Reservoir Tank	17	850-0040	1	Washer, Lock - Spring (1/4"
			Mounting	18	861-0011	1	Nut, Square (1/4-20)
6	415-0055	1	Bracket, Vent Cap				
7			Line, Fuel - Flexible				
	501-0005	1	12" Long				
	501-0007	1	24" Long				

# Fuel Pump (Electric) Optional



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	149-1830	1	Pump, Fuel (Electric)	5	332-0529	2	Terminal, Fuel Pump Lead
2	502-0002	1	Elbow, Inverted Male	6	821-0008	2	Screw, Cap - Self-locking (1/4-20 x 5/16" Lg)
3	502-0395	1	Connector, Hose	7	332-0556	1	Connector, Fuel Pump Lead
4	502-0196	1	Elbow, Street (90°)				

## Miscellaneous Options



M-1160

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	309-0237	1	Switch, Low Oil Pressure	13	114-0171	1	Screw, High Air Temperature Cut-Off - Begin Spec V
2	502-0058	1	Tee, Street Pipe - Sets With Low Oil Pressure Switch	14	502-0020	1	Elbow, Street - Key 2,3,5,7 (Special)
3	102-0558	1	Heater, Oil Base	15	501-0007	1	Line, Fuel - Tank to Unit (Flexible) Key 2,3,5,7
4	309-0255	1	Switch, High Air Temperature Cut-off - Begin Spec V		501-0009	1	24"
5	415-0124	1	Cap, Rain - 5 Gallon Fuel Tank		501-0027	1	36"
6	415-0126	1	Tank, Fuel - 5 Gallon (Includes Cap) - Key 2,3,5,7	16	502-0046	1	48"
7	415-0313	1	Cap, Fuel Tank - Key 2,3,5,7	17	149-1311	1	Nipple, Pipe - Close (1/8") Key 2,3,5,7
8	504-0013	1	Valve, Fuel Tank Shut-Off - Key 2,3,5,7	18	332-0556	1	Bracket, Fuel Filter - Key 2,3,5,7
9	149-0079	1	Filter, Fuel - Key 2,3,5,7		502-0082	1	Connector, High Air Temperature Cut-Off - Begin Spec V
10	149-0150	1	Bowl, Fuel Sediment - Key 2,3,5,7	20	502-0003	1	Nipple, Fuel Solenoid Valve
11	149-0202	1	Screen, Fuel Filter - Key 2,3,5,7	21	332-1477	1	Connector, Fuel Solenoid Valve
12	149-0149	1	Gasket, Fuel Sediment Bowl - Key 2,3,5,7	22	416-0972	2	Terminal, Fuel Solenoid Valve
				23		1	Frame, Holddown - Battery (Use Beginning 5-90)

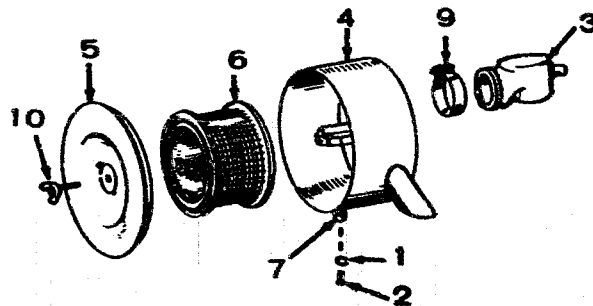


**SPECIAL PARTS SECTION**  
**For 4.0CCK-3CE/ & 5.0CCK-3CE/**  
**Contractors Models**

Parts not listed in this section, refer to the standard parts groups.  
 Use Key 4 for 4.0CCK and Key 6 for 5.0CCK.

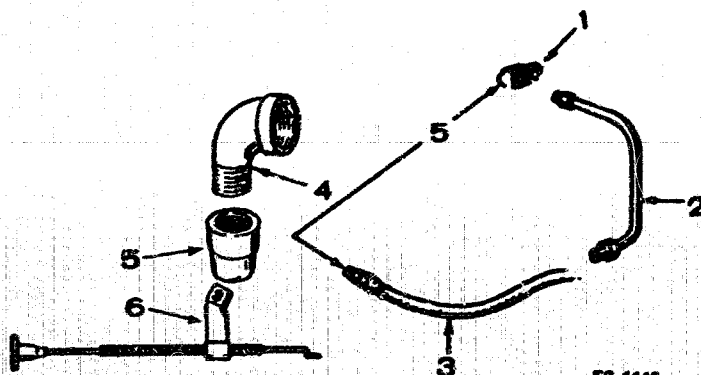
**Air Cleaner**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	856-0003	1	Washer, Lock - EIT (#10)	5	140-0538	1	Cover, Air Cleaner
2	808-0032	1	Screw, Tapping - Round Head (#10 x 1/2")	6	140-0495	1	Element, Air Cleaner
3	145-0094	1	Inlet, Carburetor Air	7	140-0596	1	Spacer, Air Cleaner Mounting
4	140-0537	1	Housing, Air Cleaner	9	503-0280	1	Clamp, Hose
				10	518-0056	1	Screw, Wing (#10-32 x 1/2")



**Fuel System and Exhaust**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	502-0138	1	Elbow, Fuel Pump Inlet	5	502-0137	1	Connector, Male - Line to Tank Elbow (1/4")
2	149-0775	1	Line, Fuel Pump to Carburetor	6	149-0271	1	Primer Assembly, Fuel Pump (with Bracket) - Begin Spec V
3	501-0153	1	Line, Fuel Pump to Filter				
4	505-0003	1	Elbow, Street - Exhaust (1" x 90°)				

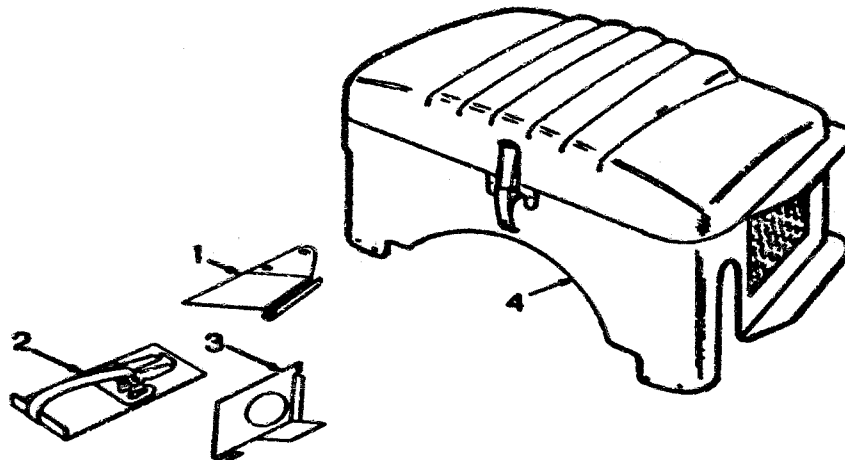


PS-1146

## Air Housing

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-1663	1	Support, Hood
2	134-1469	2	Fastener, Hood

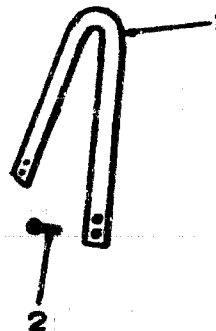
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	134-1144	1	Baffle, Fuel Pump Air
4	405-1662	1	Hood, Engine



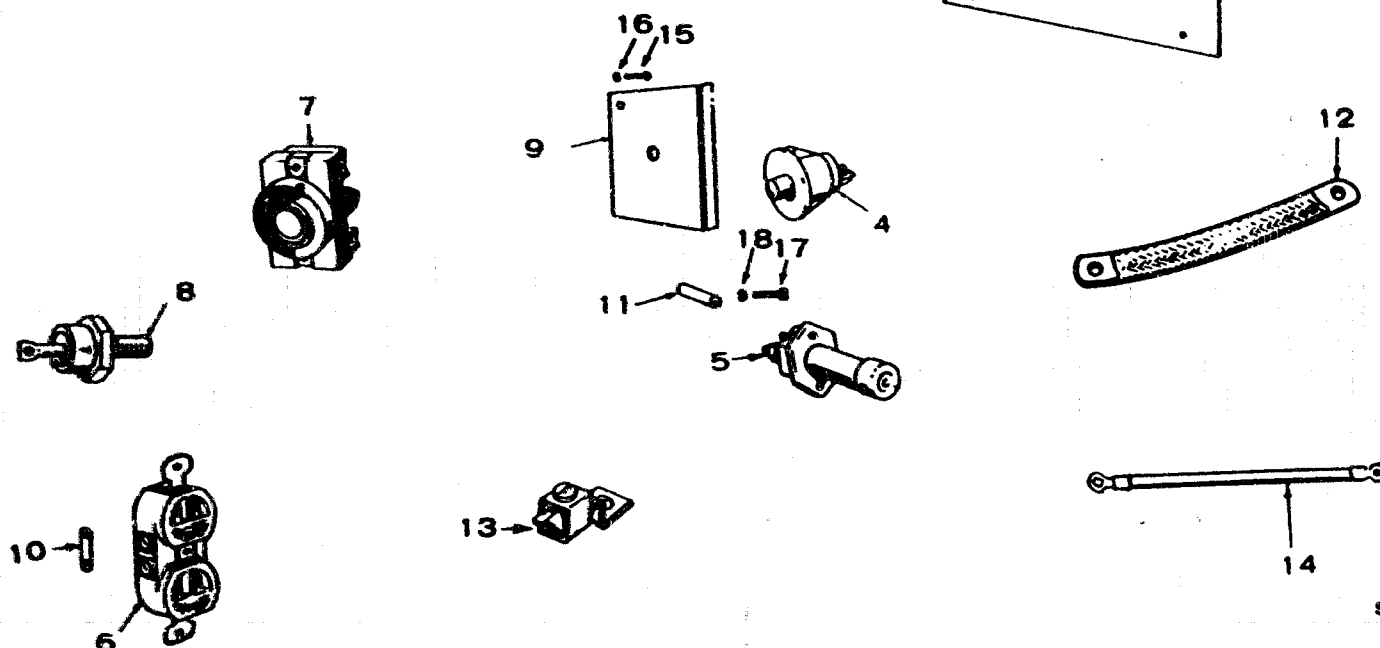
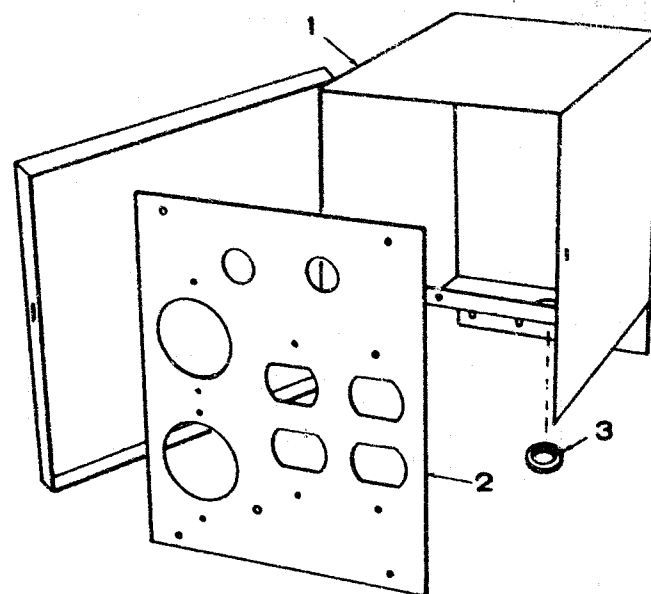
## Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-1248	1	Bracket, Lifting

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	815-0454	4	Screw, Tapping - Hex Head (5/16-18 x 1-1/4")



# Control



SC-1131

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-3576	1	Box, Control	11	301-3591	2	Spacer, Start Switch Mounting
2	301-3577	1	Panel, Control	12	337-0085	1	Strap, Bond - Grounding
3	508-0001	1	Grommet, Rubber (1-1/16" Hole)	13	332-0517	1	Terminal, Lug
4	313-0018	1	Switch, Stop	14	416-0657	1	Cable, Battery - Positive (7-1/2")
5	308-0028	1	Switch, Start	15	812-0077	2	Screw, Machine - Round Head (8-32 x 3/8")
6	323-0383	2	Receptacle, Duplex (120 Volt)	16	853-0005	2	Washer, Lock - ET (#8)
7	323-0855	2	Receptacle, Twistlock (240 Volt)	17	800-0013	2	Screw, Cap - Hex Head (1/4-20 x 2-1/2")
8	305-0235	1	Rectifier	18	850-0040	2	Washer, Lock (1/4")
9	305-0254	1	Bracket, Rectifier				
10	332-1695	2	Jumper				

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